LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.283	55	60	62	rBV	84856	69830	2.99%	0.266%
2	1.299	62	65	85	rVB	131264	141157	6.04%	0.538%
3	1.399	88	96	105	rBV2	248306	275080	11.77%	1.048%
4	1.675	174	182	195	rVV	143652	182127	7.79%	0.694%
5	1.752	196	206	223	rVB	764453	1003002	42.92%	3.822%
6	2.270	356	367	387	rBV	319955	571727	24.47%	2.179%
7	2.701	488	501	508	rBV3	118873	251586	10.77%	0.959%
8	2.781	519	526	535	rVV	75545	122290	5.23%	0.466%
9	2.836	536	543	559	rVB2	70913	152362	6.52%	0.581%
10	2.984	576	589	610	rVB	148064	316862	13.56%	1.207%
11	3.981	884	899	914	rVB5	13962	35268	1.51%	0.134%
12	4.077	914	929	947	rBV2	73518	190054	8.13%	0.724%
13	4.190	951	964	1005	rBV2	198749	620434	26.55%	2.364%
14	4.640	1088	1104	1120	rBV2	218903	514667	22.03%	1.961%
15	4.984	1194	1211	1223	rBV4	52175	126128	5.40%	0.481%
16	5.071	1225	1238	1261	rVB3	50001	132353	5.66%	0.504%
17	5.244	1267	1292	1301	rBV9	32341	116275	4.98%	0.443%
18	5.331	1301	1319	1328	rVV2	466427	1263021	54.05%	4.813%
19	5.383	1329	1335	1351	rVV	307867	633052	27.09%	2.412%
20	5.473	1353	1363	1372	rVV5	66160	161762	6.92%	0.616%
21	5.540	1375	1384	1396	rVV6	67303	163624	7.00%	0.623%
22	5.614	1396	1407	1425	rVB4	58871	138104	5.91%	0.526%
23	5.881	1478	1490	1505	rBV	440197	892981	38.22%	3.403%
24	6.328	1615	1629	1640	rBV	285572	573737	24.55%	2.186%
25	6.386	1641	1647	1664	rVV7	66330	157580	6.74%	0.600%
26	6.730	1742	1754	1768	rVB4	40490	84987	3.64%	0.324%
27	6.900	1796	1807	1831	rVB5	44856	129674	5.55%	0.494%
28	7.045	1831	1852	1864	rBV6	49246	130121	5.57%	0.496%
29	7.225	1892	1908	1927	rBV	150904	344683	14.75%	1.313%
30	7.431	1964	1972	1986	rVB8	21078	46616	1.99%	0.178%
31	7.559	1988	2012	2030	rBV	635045	1329202	56.88%	5.065%
32	7.704	2046	2057	2065	rBV3	45522	96543	4.13%	0.368%
33	7.849	2092	2102	2112	rBV	96103	173447	7.42%	0.661%
34	7.910	2112	2121	2144	rVB3	97662	212302	9.09%	0.809%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Title : TRACE VOA SOM01.0

35	8.038	2145	2161	2170	rBV2	66200	130072	5.57%	0.496%
36	8.090	2171	2177	2193	rVB2	32829	51439	2.20%	0.196%
37	8.312	2235	2246	2262	rBV	732711	1312776	56.18%	5.002%
38	8.482	2294	2299	2309	rVB7	35572	58094	2.49%	0.221%
39	8.601	2326	2336	2346	rBV2	53467	94714	4.05%	0.361%
40	8.755	2370	2384	2394	rBV7	27209	54855	2.35%	0.209%
41	8.845	2402	2412	2425	rBV9	16809	40552	1.74%	0.155%
42	9.035	2455	2471	2476	rBV10	14236	34901	1.49%	0.133%
43	9.087	2476	2487	2507	rVV	635517	1099467	47.05%	4.189%
44	9.183	2509	2517	2529	rVV3	37679	79386	3.40%	0.302%
45	9.360	2560	2572	2575	rBV7	20874	38137	1.63%	0.145%
46	9.566	2625	2636	2652	rVB4	22103	38899	1.66%	0.148%
47	9.714	2667	2682	2700	rBV4	26930	93445	4.00%	0.356%
48	9.948	2736	2755	2773	rBV5	40674	101512	4.34%	0.387%
49	10.042	2773	2784	2801	rVB5	19655	48760	2.09%	0.186%
50	10.164	2811	2822	2832	rBV	169197	276620	11.84%	1.054%
51	10.206	2832	2835	2857	rVB	14365	33650	1.44%	0.128%
52	10.373	2877	2887	2894	rBV6	19749	35003	1.50%	0.133%
53	10.427	2894	2904	2916	rVV	245183	409344	17.52%	1.560%
54	10.585	2944	2953	2974	rVB	117594	198457	8.49%	0.756%
55	10.971	3062	3073	3086	rBV5	34467	64121	2.74%	0.244%
56	11.093	3097	3111	3120	rBV	34086	56378	2.41%	0.215%
57	11.289	3159	3172	3175	rBV2	49357	74023	3.17%	0.282%
58	11.321	3176	3182	3194	rVB	77498	127469	5.46%	0.486%
59	11.479	3220	3231	3251	rBV	661707	1100586	47.10%	4.194%
60	11.569	3252	3259	3267	rVB2	34496	49616	2.12%	0.189%
61	11.685	3281	3295	3306	rVB	25329	45101	1.93%	0.172%
62	11.762	3306	3319	3337	rBV	1387295	2336689	100.00%	8.904%
63	11.855	3337	3348	3373	rVV2	746498	1303981	55.80%	4.969%
64	11.977	3377	3386	3399	rVV2	64730	104826	4.49%	0.399%
65	12.051	3400	3409	3420	rVB	66853	104323	4.46%	0.398%
66	12.141	3428	3437	3447	rBV4	20551	33206	1.42%	0.127%
67	12.247	3459	3470	3475	rBV2	85864	136224	5.83%	0.519%
68	12.283	3475	3481	3492	rVB	165541	249652	10.68%	0.951%
69	12.350	3492	3502	3523	rBV	309382	558152	23.89%	2.127%
70	12.537	3552	3560	3575	rVB3	51637	96126	4.11%	0.366%
71	12.646	3575	3594	3603	rBV	205065	355430	15.21%	1.354%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Title : TRACE VOA SOM01.0

72	12.697	3603	3610	3624	rVB2	100998	173409	7.42%	0.661%
73	12.784	3628	3637	3657	rVB3	71979	124124	5.31%	0.473%
74	12.922	3669	3680	3685	rVV2	56182	108456	4.64%	0.413%
75	12.961	3685	3692	3710	rVB	151798	264996	11.34%	1.010%
76	13.119	3718	3741	3755	rBV3	511714	895431	38.32%	3.412%
77	13.189	3756	3763	3770	rVB5	29747	45401	1.94%	0.173%
78	13.234	3770	3777	3787	rBV	27675	42331	1.81%	0.161%
79	13.405	3817	3830	3837	rBV3	72469	131970	5.65%	0.503%
80	13.453	3837	3845	3852	rVB2	59139	80471	3.44%	0.307%
81	13.504	3852	3861	3869	rBV4	146809	237836	10.18%	0.906%
82	13.572	3877	3882	3886	rBV	53364	64729	2.77%	0.247%
83	13.604	3887	3892	3916	rVB3	184957	320296	13.71%	1.220%
84	13.730	3917	3931	3940	rBV4	24053	58081	2.49%	0.221%
85	13.784	3941	3948	3961	rVB3	25851	47580	2.04%	0.181%
86	13.852	3961	3969	3984	rVB7	32658	59742	2.56%	0.228%
87	13.951	3984	4000	4011	rBV6	74383	153110	6.55%	0.583%
88	14.009	4011	4018	4028	rVB5	45596	72918	3.12%	0.278%
89	14.151	4050	4062	4076	rBV	75542	133069	5.69%	0.507%
90	14.331	4109	4118	4129	rBV4	66690	131967	5.65%	0.503%
91	14.472	4154	4162	4171	rBV2	45404	69586	2.98%	0.265%
92	14.537	4173	4182	4195	rVB4	71381	136234	5.83%	0.519%
93	14.678	4215	4226	4239	rBV6	46368	105499	4.51%	0.402%
94	14.858	4276	4282	4293	rVB8	22116	43609	1.87%	0.166%
95	14.932	4298	4305	4319	rVB4	27408	57837	2.48%	0.220%
96	15.067	4336	4347	4359	rBV4	50816	109139	4.67%	0.416%
97	15.588	4501	4509	4524	rVB4	24316	47341	2.03%	0.180%
98	15.839	4572	4587	4594	rBV5	20827	46762	2.00%	0.178%
99	16.061	4647	4656	4665	rBV3	30135	55575	2.38%	0.212%
100	16.434	4761	4772	4784	rBV7	21506	47451	2.03%	0.181%

Sum of corrected areas: 26243574

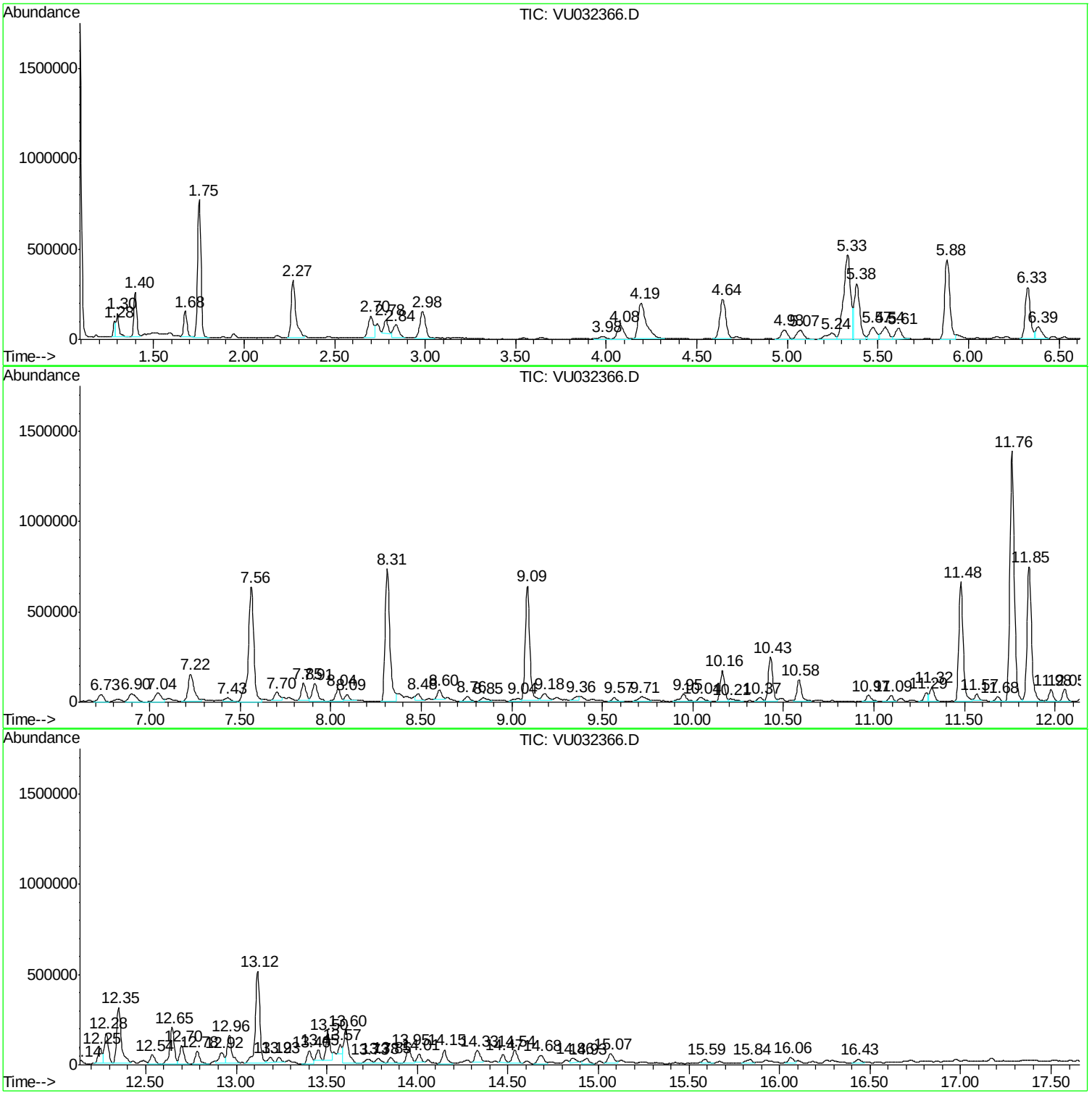
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

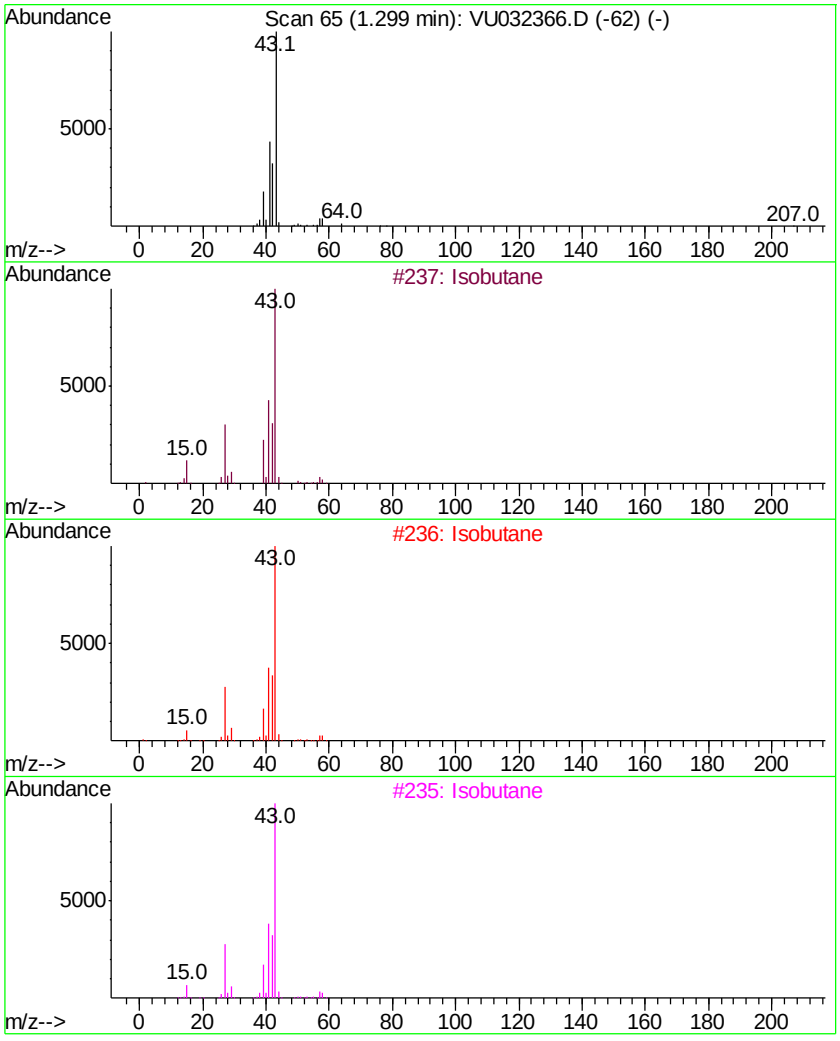
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

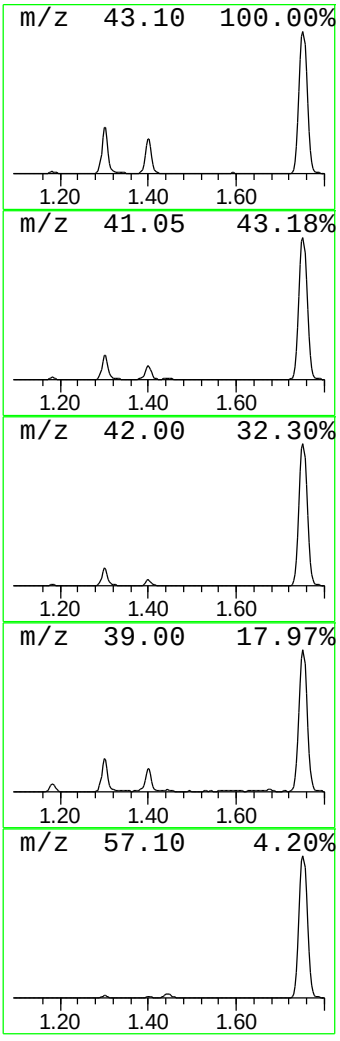
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	0.79 ug/L	141157	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	43
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

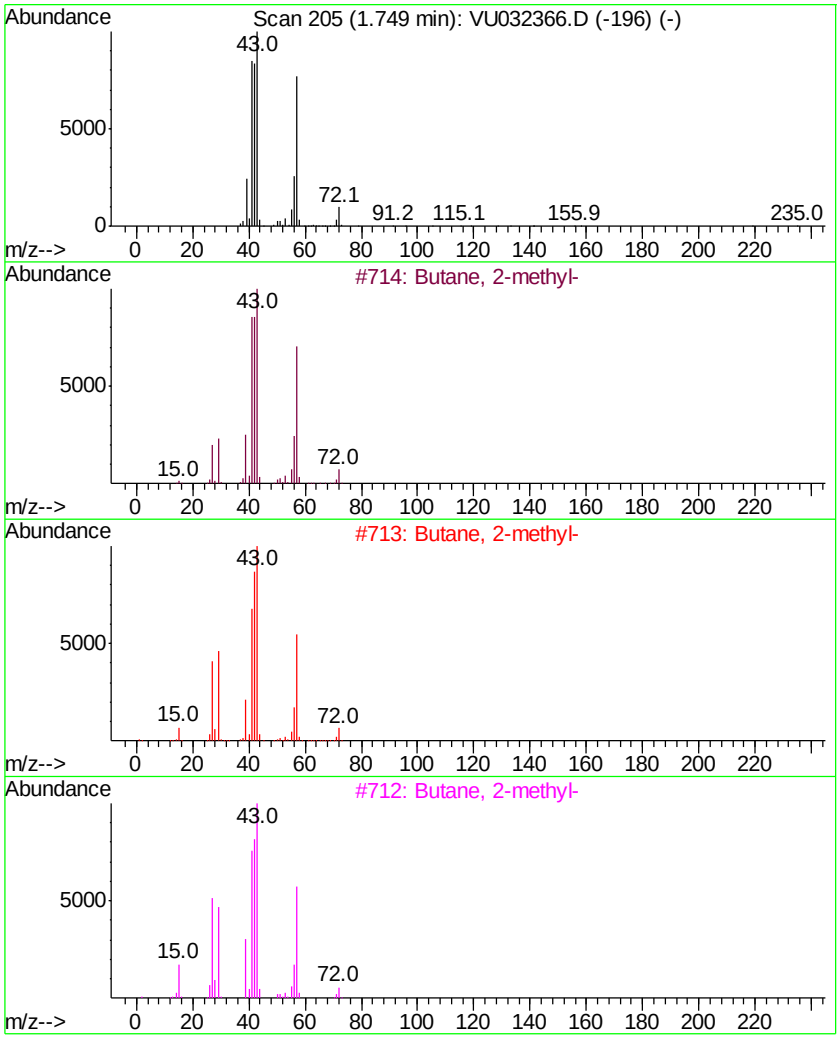
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

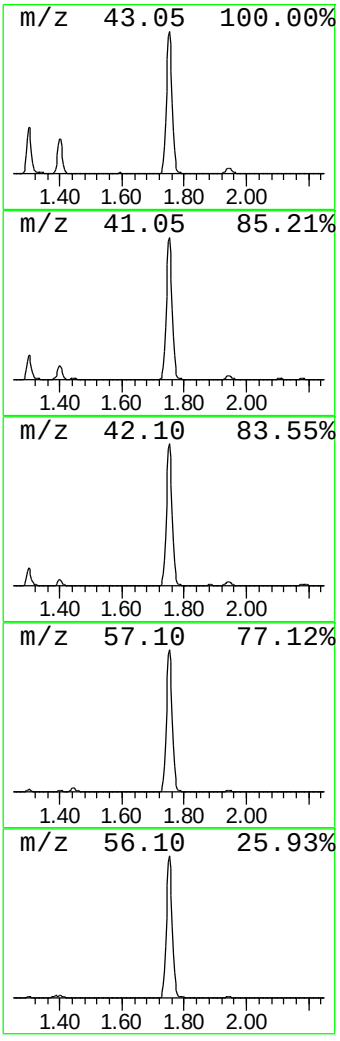
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	5.62 ug/L	1003000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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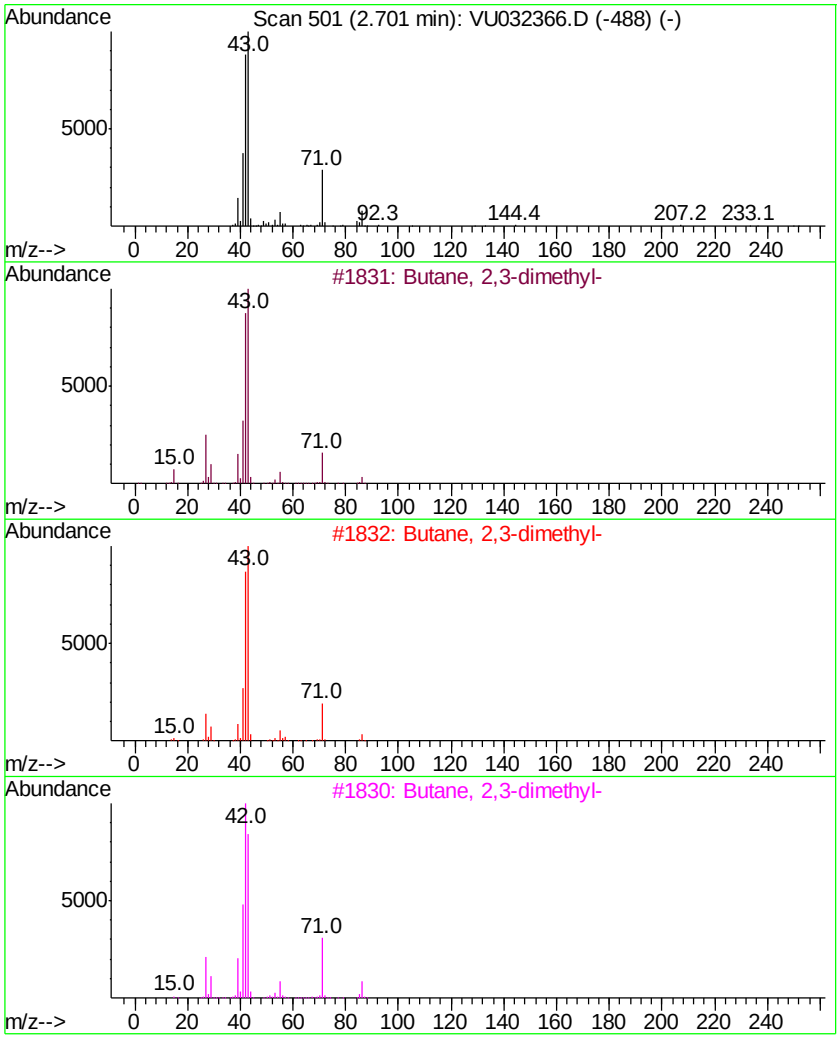
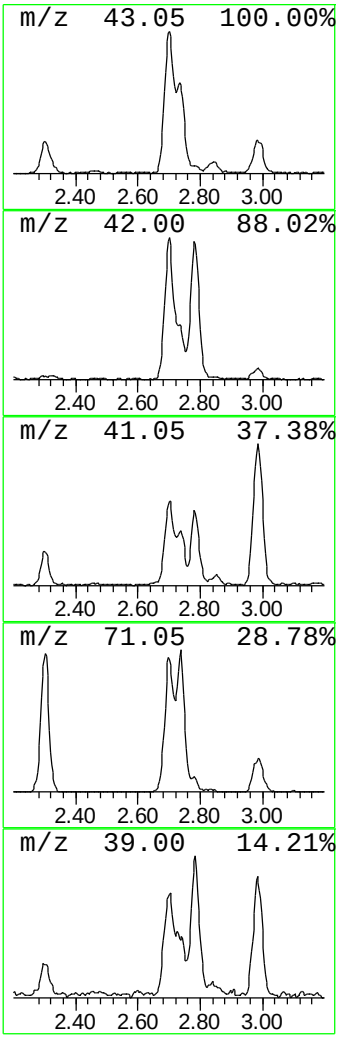
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	1.41 ug/L	251586	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	74
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	46
5	1,2,3-Trimethyldiaziridine	86	C4H10N2	113604-56-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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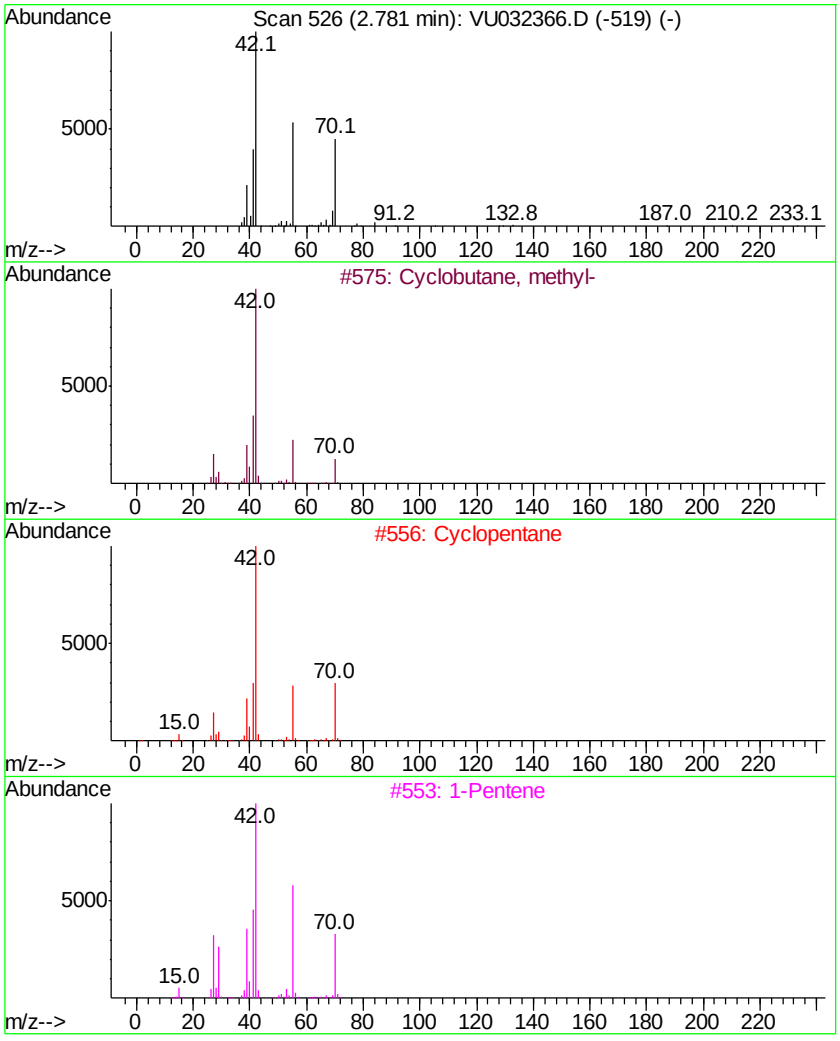
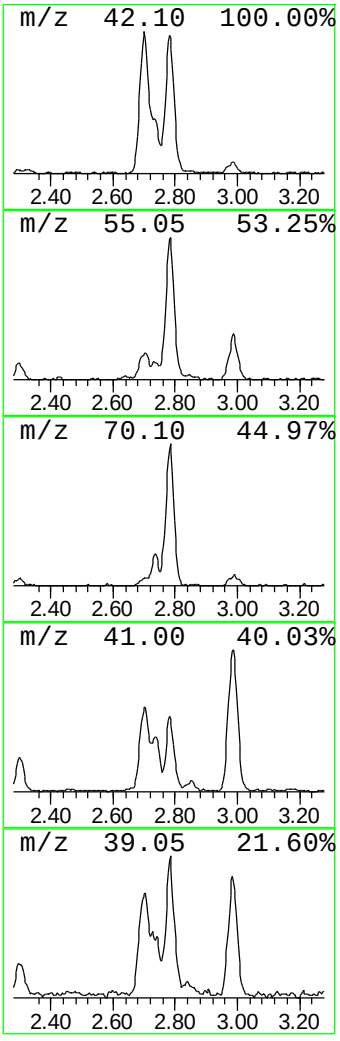
Peak Number 4 (DEL) Alkane: Cyclic2.78 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	0.68 ug/L	122290	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	Cyclopentane	70	C5H10	000287-92-3	78
3	1-Pentene	70	C5H10	000109-67-1	72
4	1-Pentanol	88	C5H12O	000071-41-0	56
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

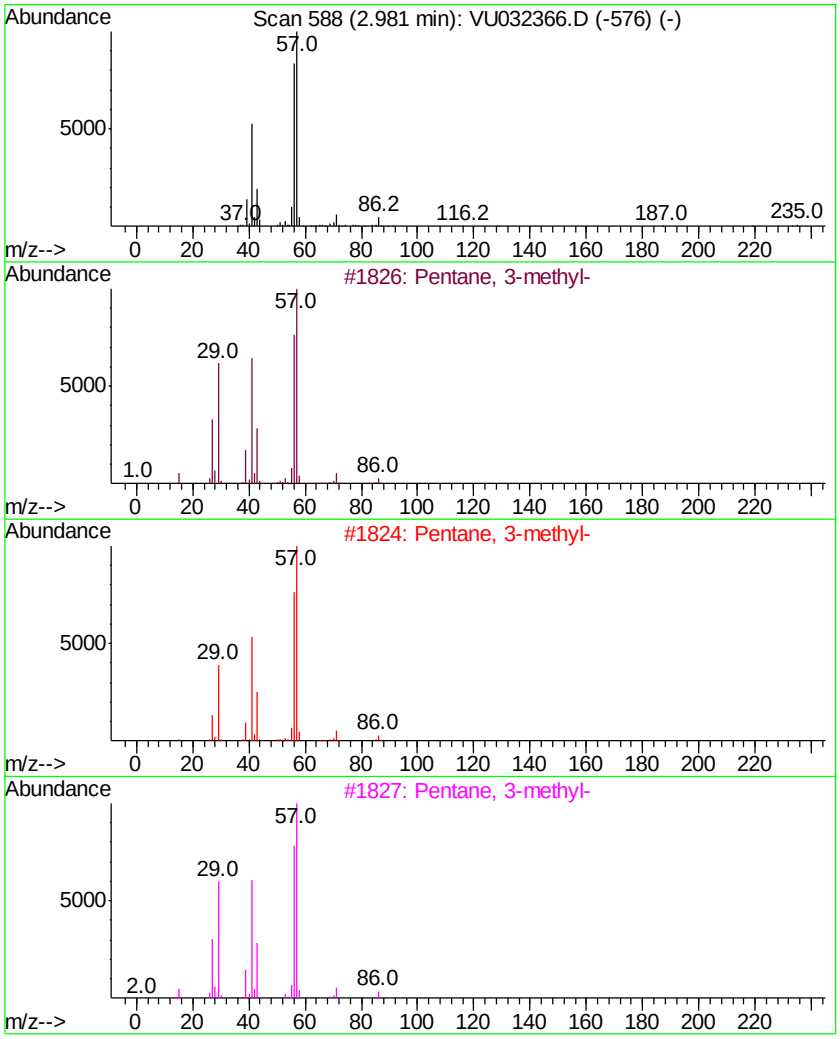
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

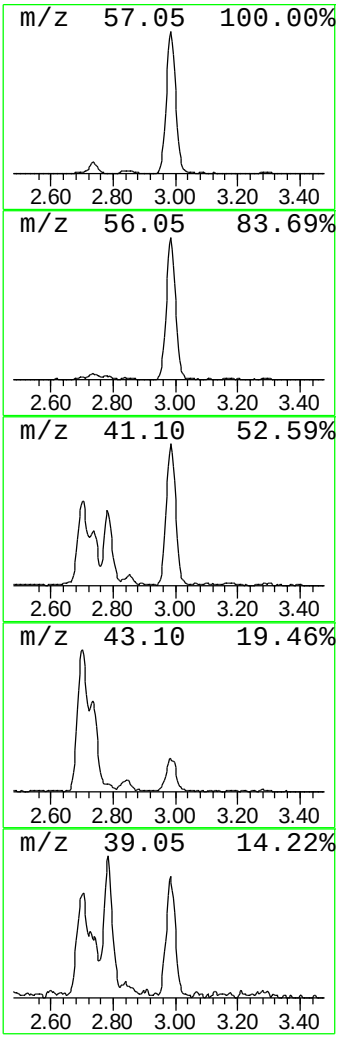
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	1.77 ug/L	316862	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

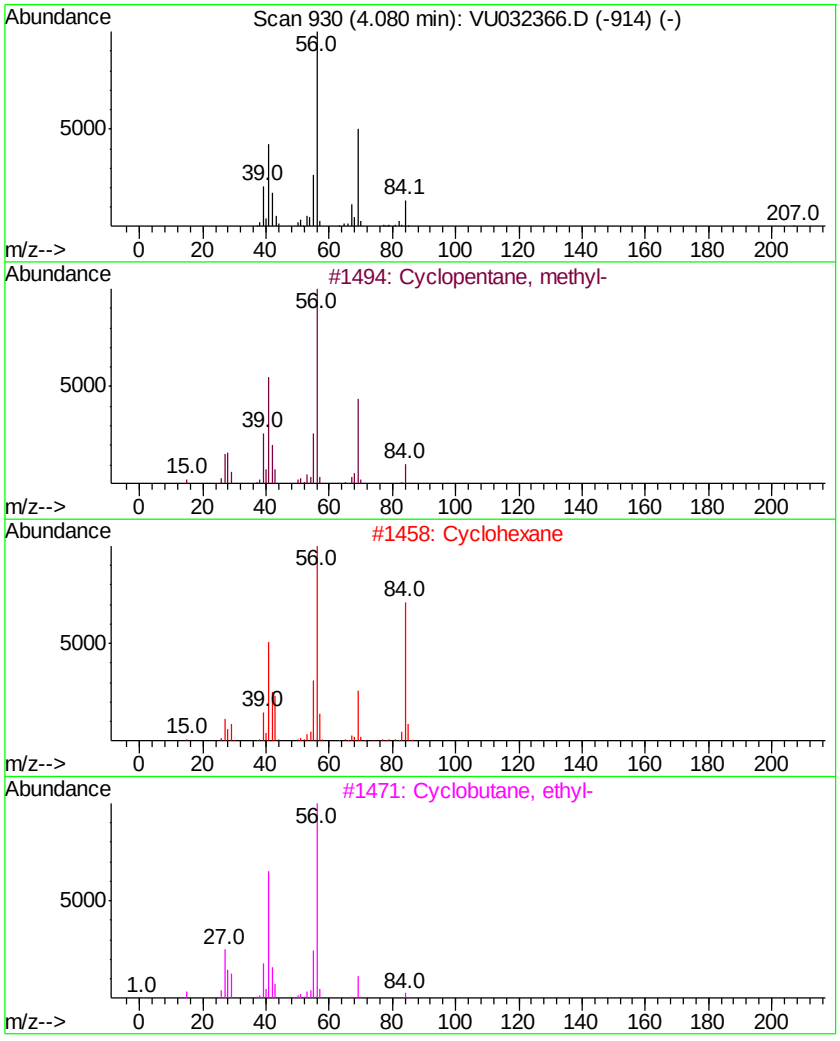
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

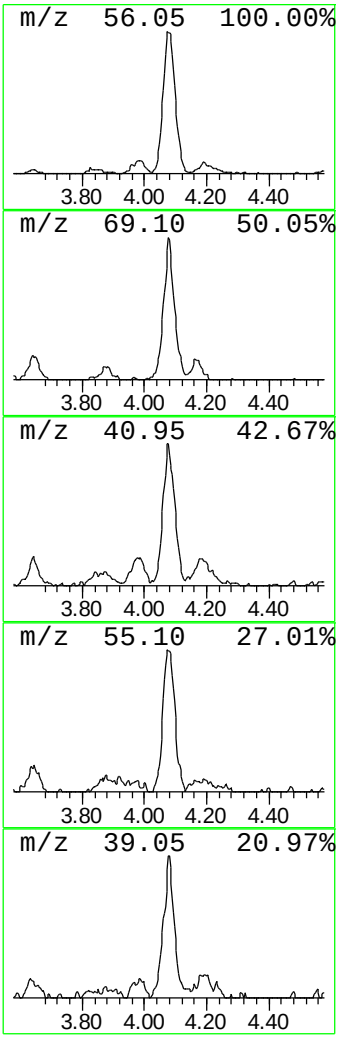
****

Peak Number 7 (DEL) Alkane: Cyclic4.08 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	1.06 ug/L	190054	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

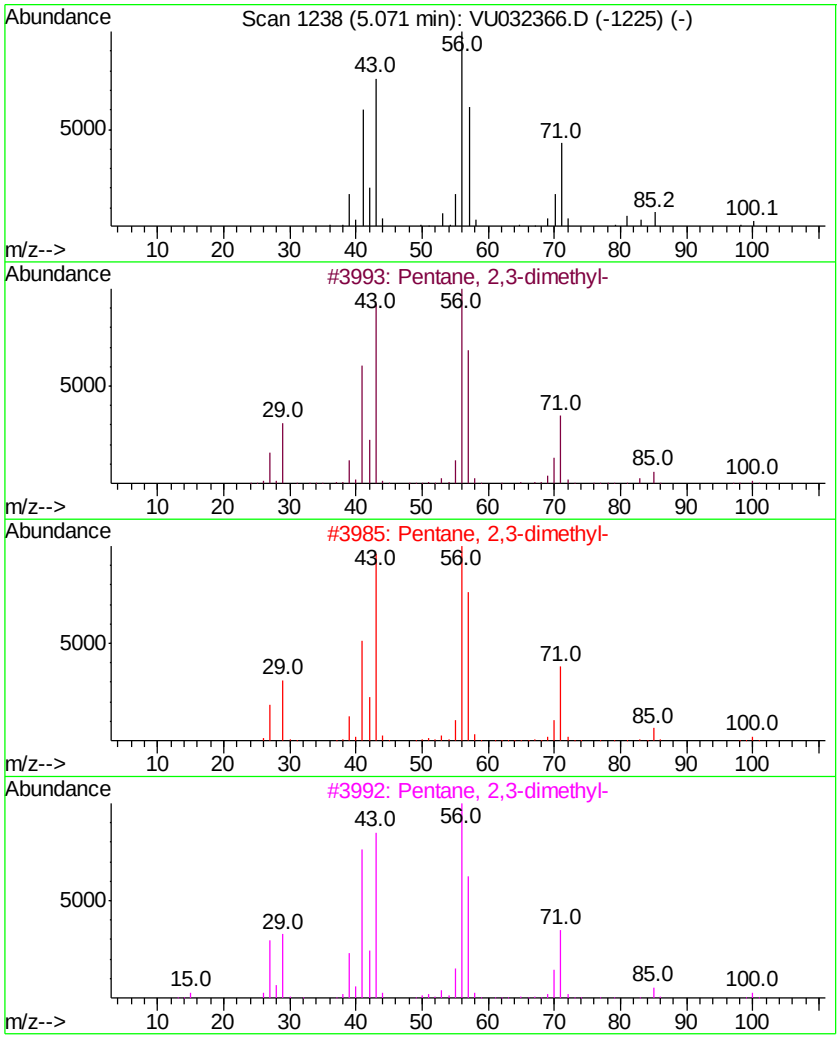
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

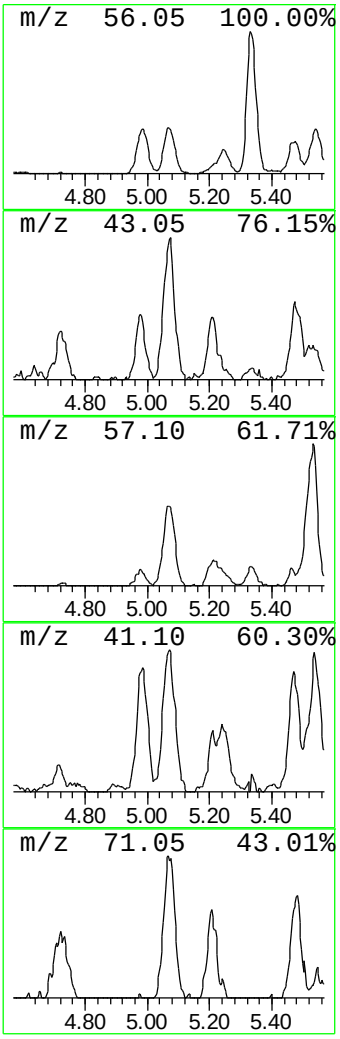
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	0.74 ug/L	132353	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
5	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	42





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Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

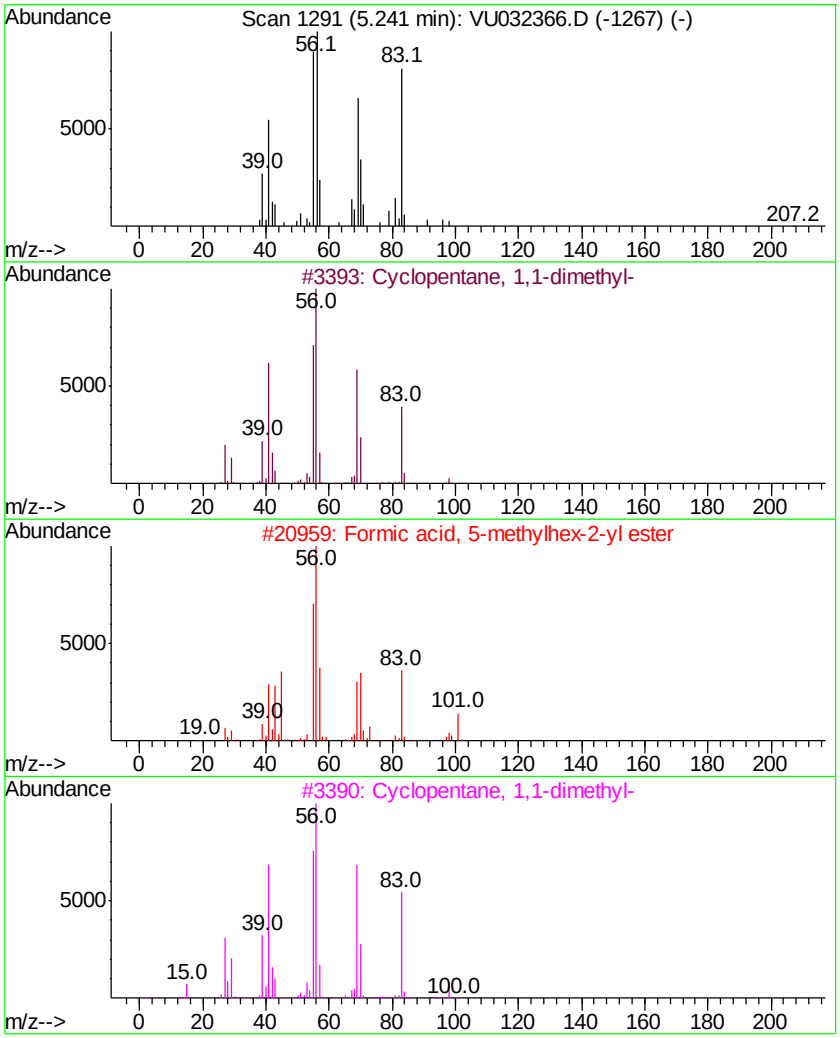
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

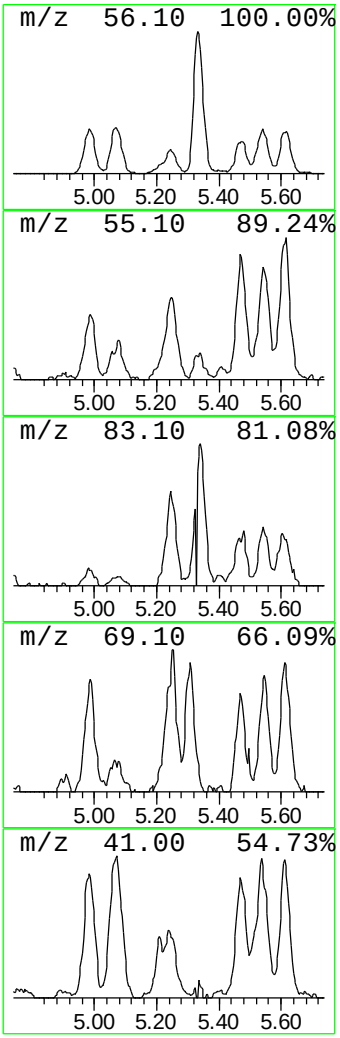
****

Peak Number 9 (DEL) Alkane: Cyclic5.24 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	0.65 ug/L	116275	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	58
2	Formic acid, 5-methylhex-2-yl ester	144	C8H16O2	1000368-88-7	50
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50
4	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	43
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

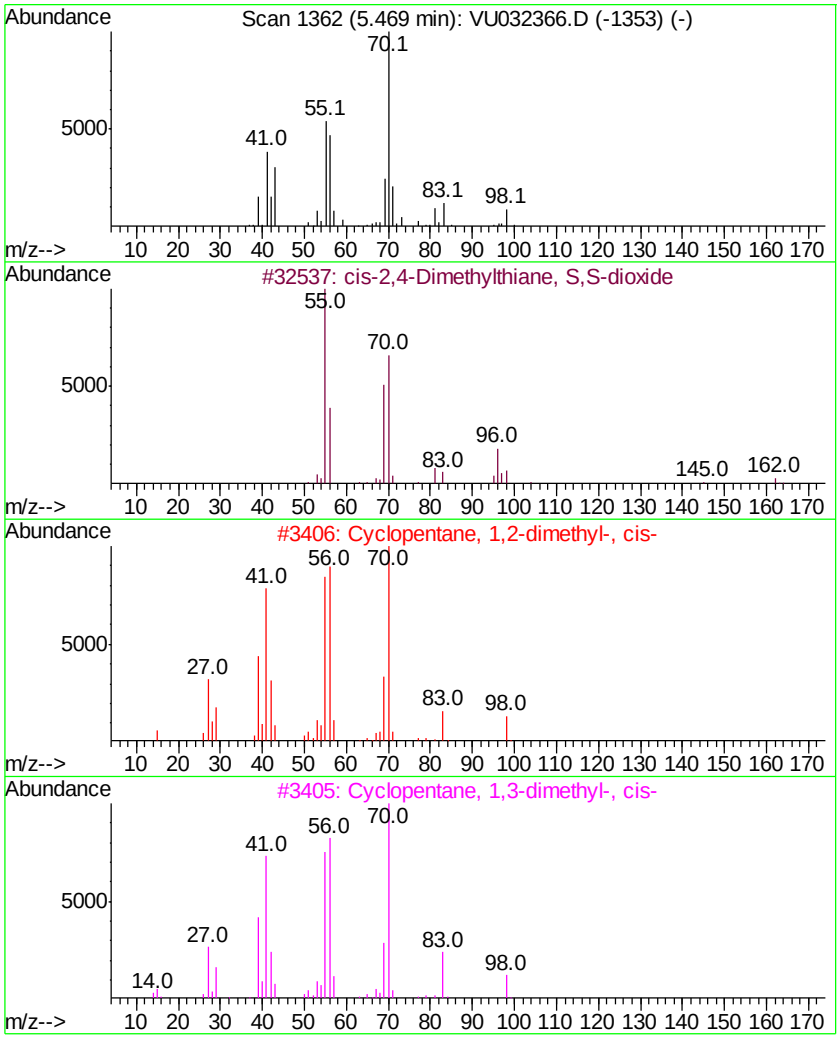
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

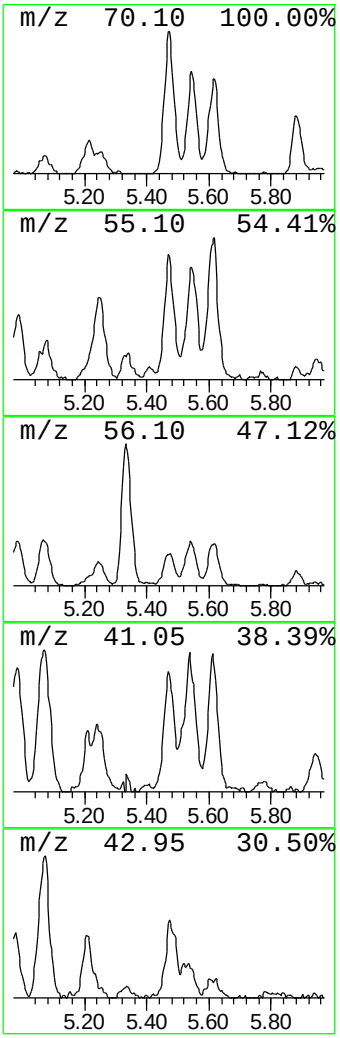
****

Peak Number 10 cis-2,4-Dimethylthiane, S,S... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	0.91 ug/L	161762	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	50
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	46
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	43
4	1-Hexanol, 4-methyl-	116	C7H16O	000818-49-5	42
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

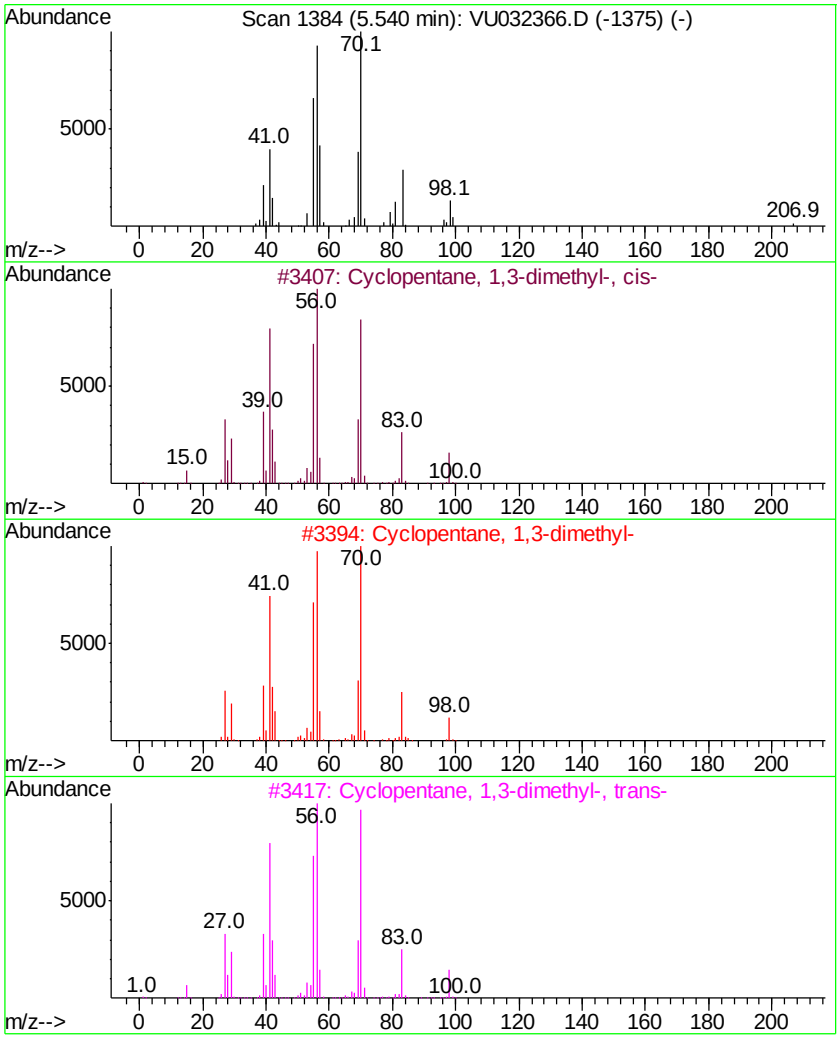
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

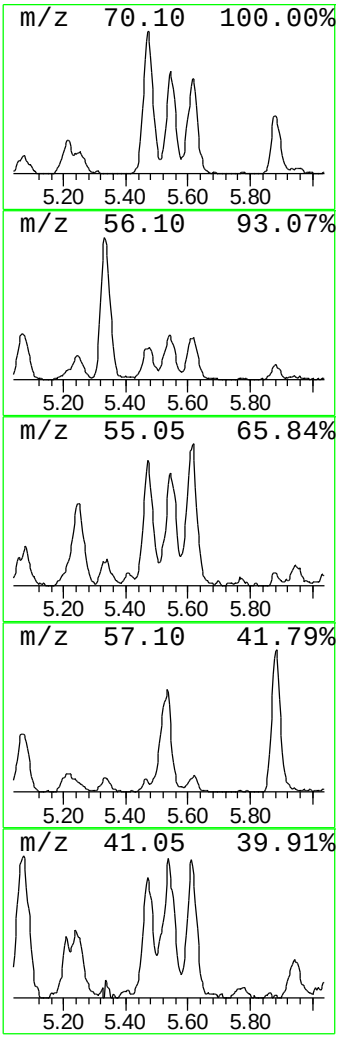
****

Peak Number 11 (DEL) Alkane: Cyclic5.54 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	0.92 ug/L	163624	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

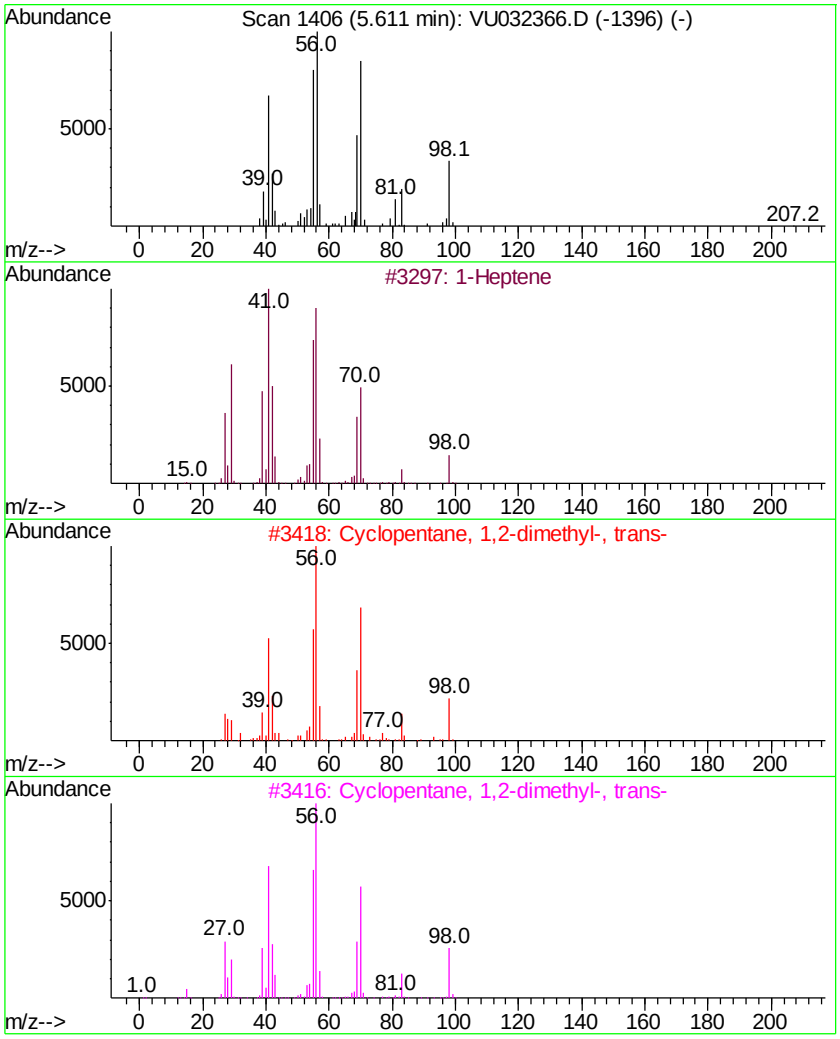
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

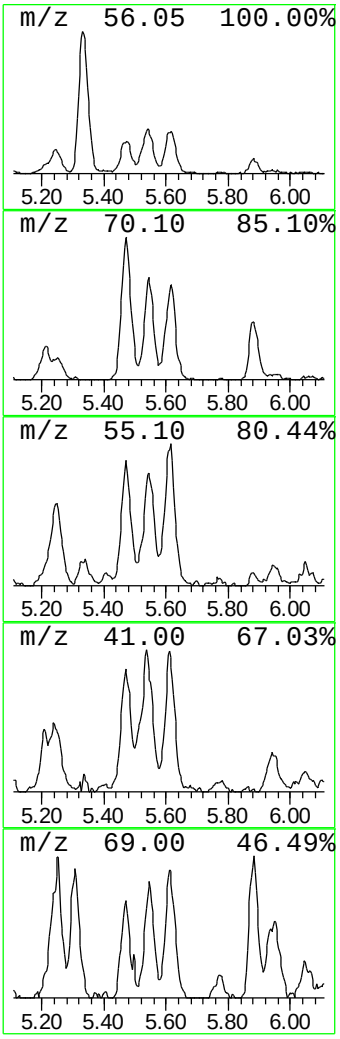
****

Peak Number 12 (DEL) Alkane: Cyclic5.61 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	0.77 ug/L	138104	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene	98	C7H14	000592-76-7	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
5	Isopropylcyclobutane	98	C7H14	000872-56-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

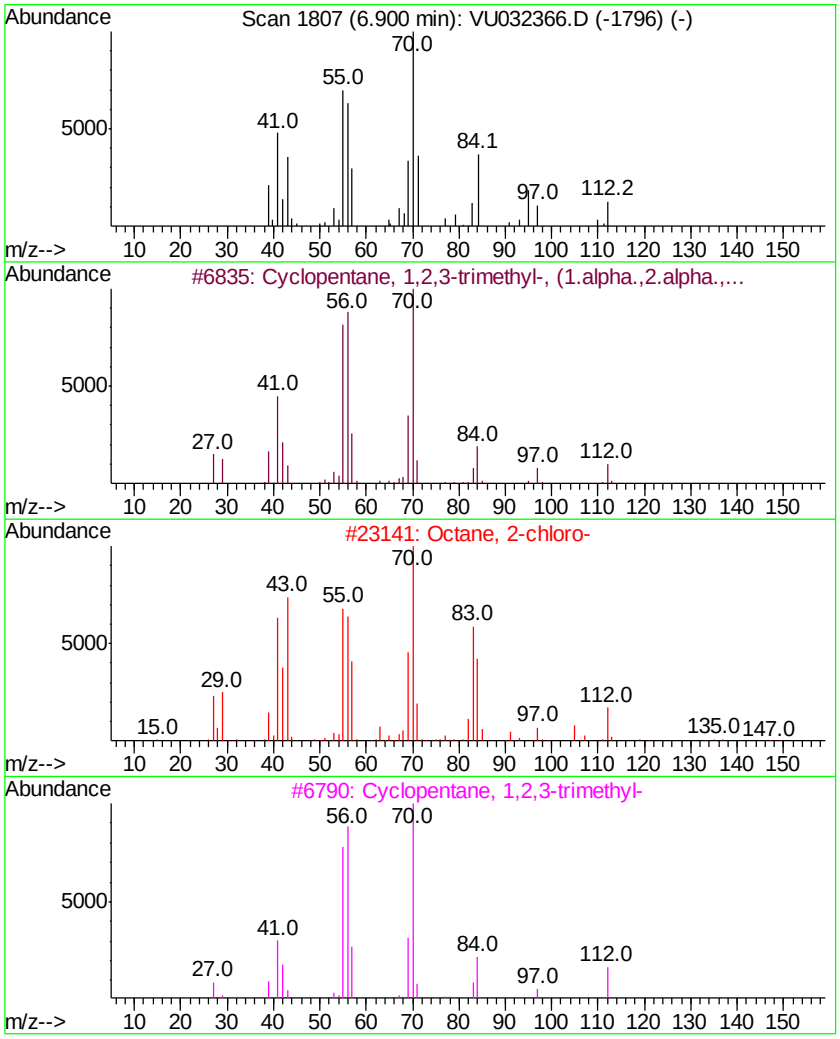
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

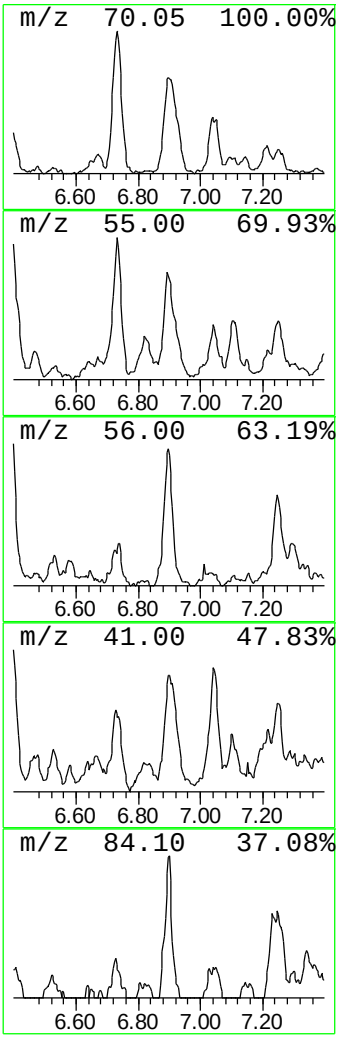
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic6.90 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	0.73 ug/L	129674	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	64
2	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	64
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	64
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	59
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

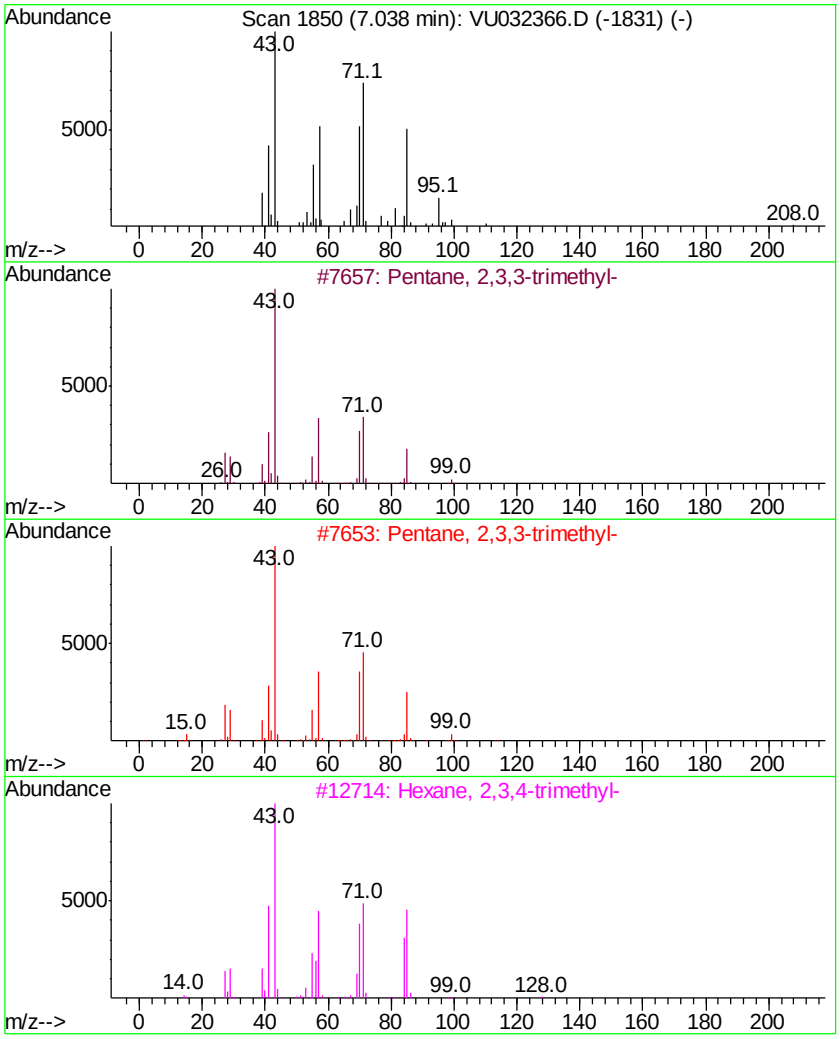
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

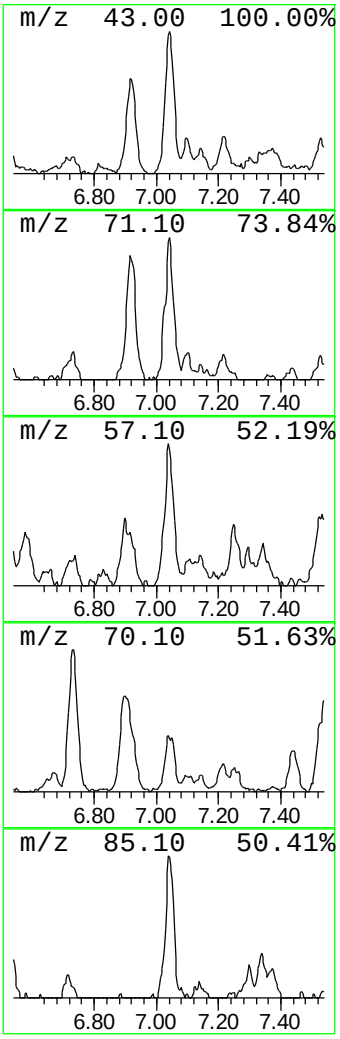
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	0.73 ug/L	130121	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	49
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

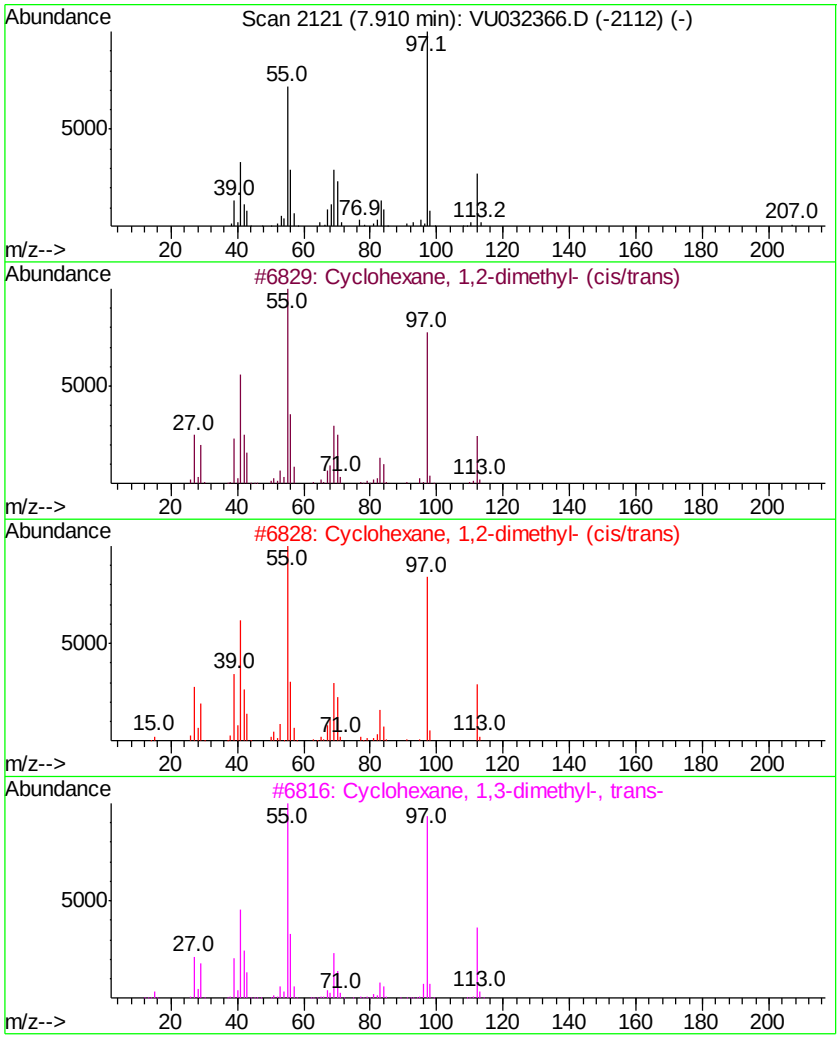
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

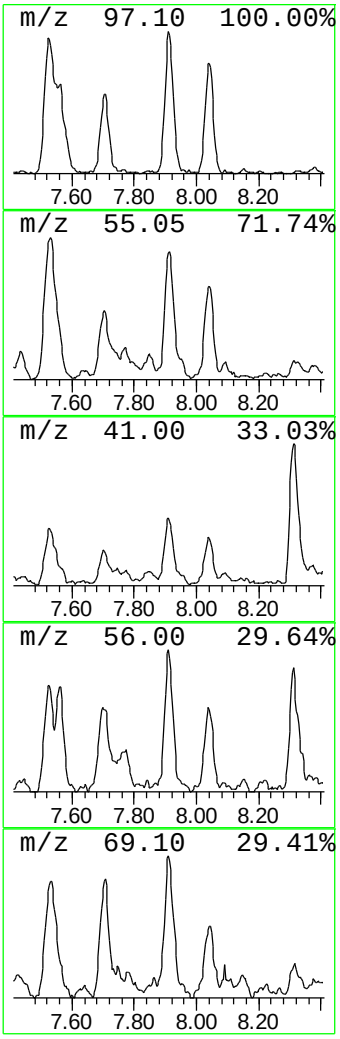
****

Peak Number 16 (DEL) Alkane: Cyclic7.91 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	0.97 ug/L	212302	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

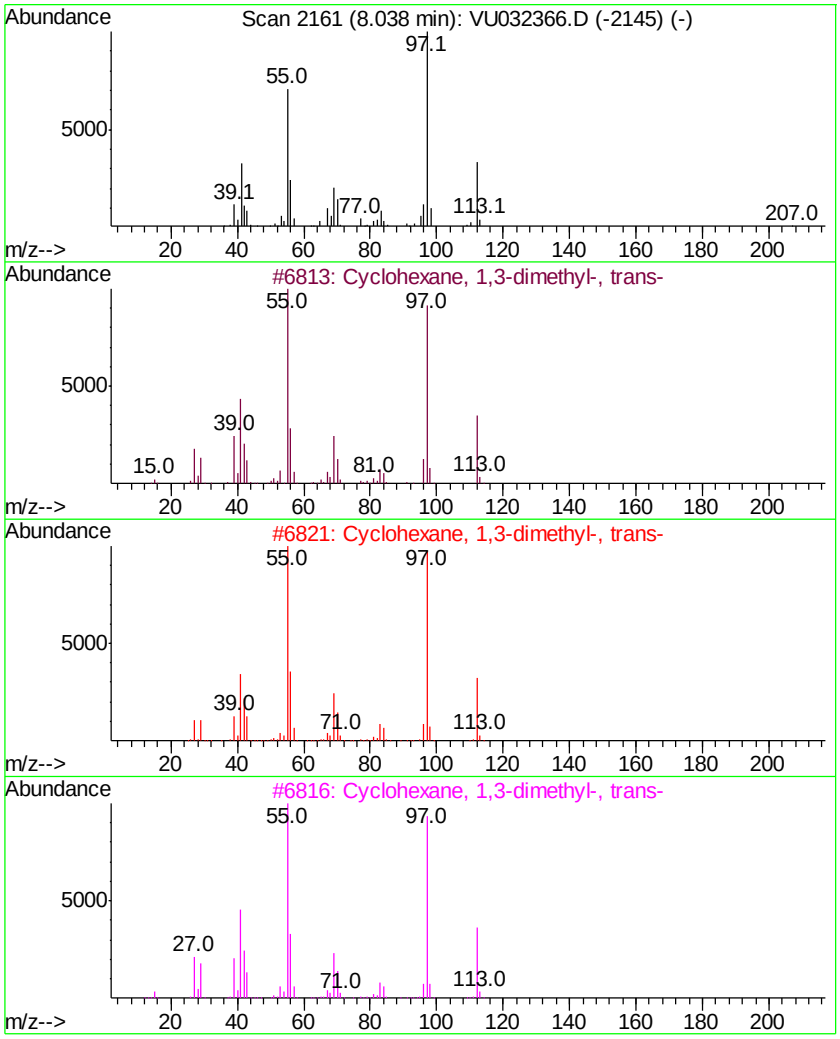
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

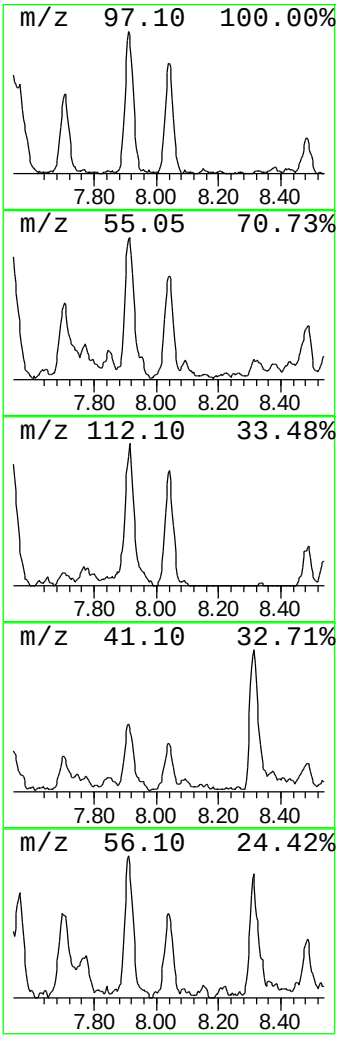
****

Peak Number 17 (DEL) Alkane: Cyclic8.04 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	0.59 ug/L	130072	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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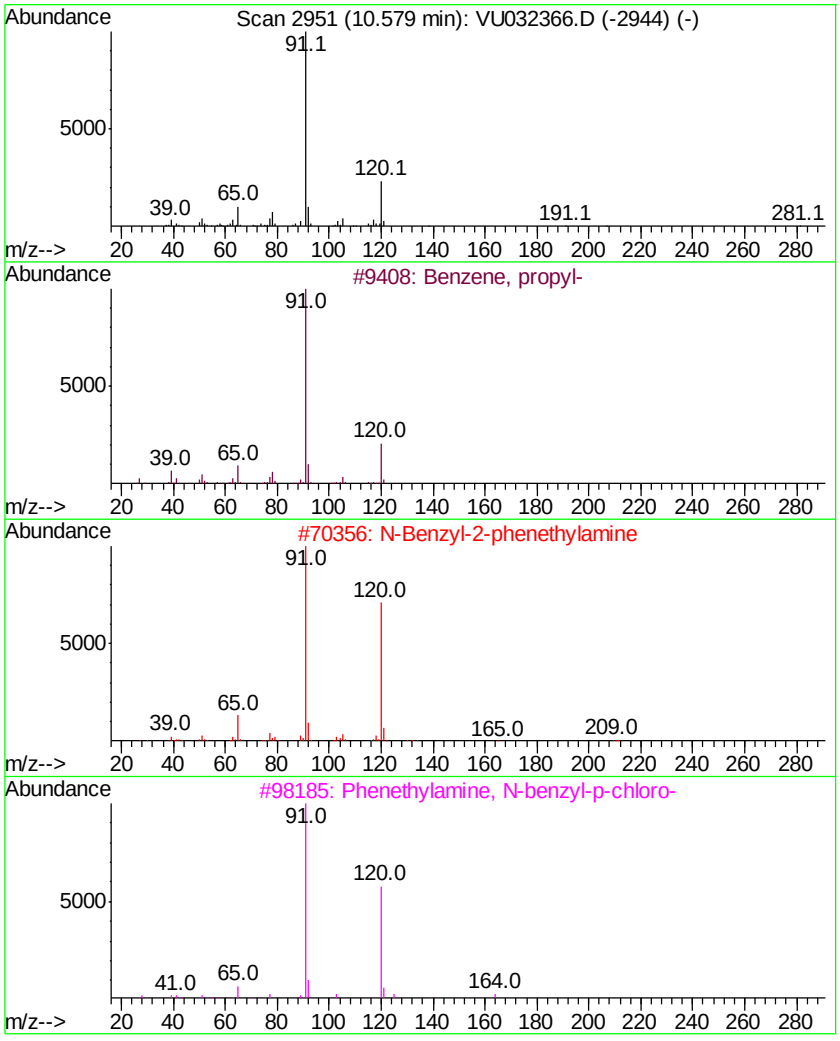
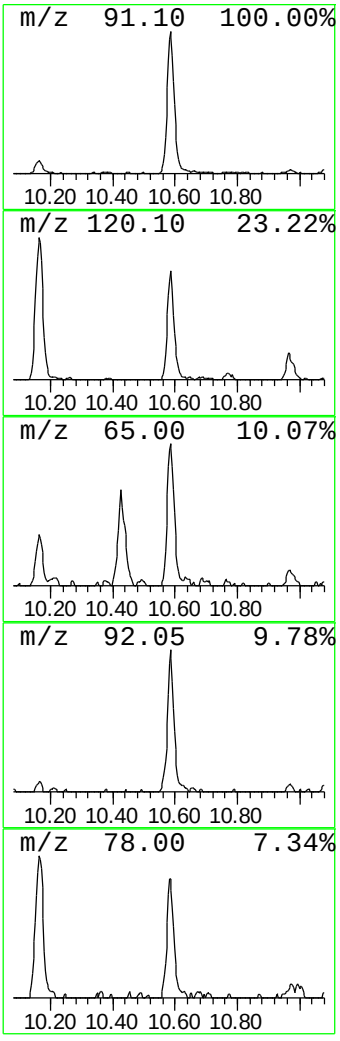
Peak Number 18 Benzene, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	0.90 ug/L	198457	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Benzene, propyl-	120	C9H12	000103-65-1	58





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Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

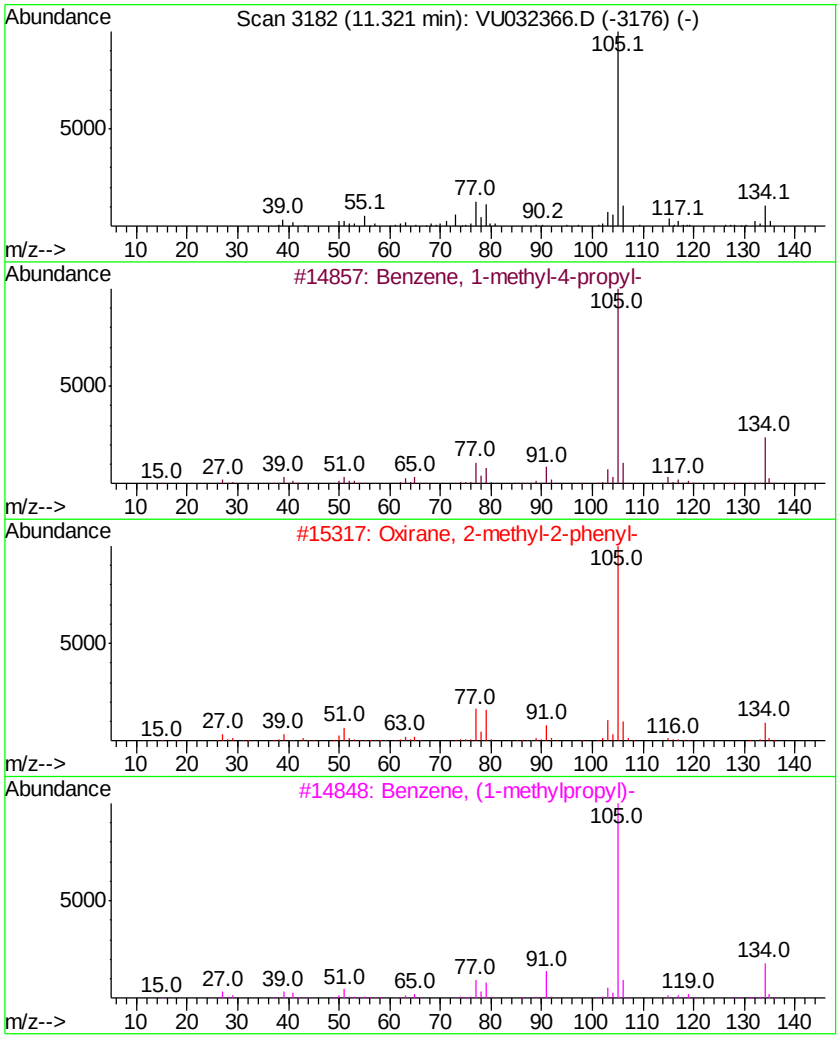
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

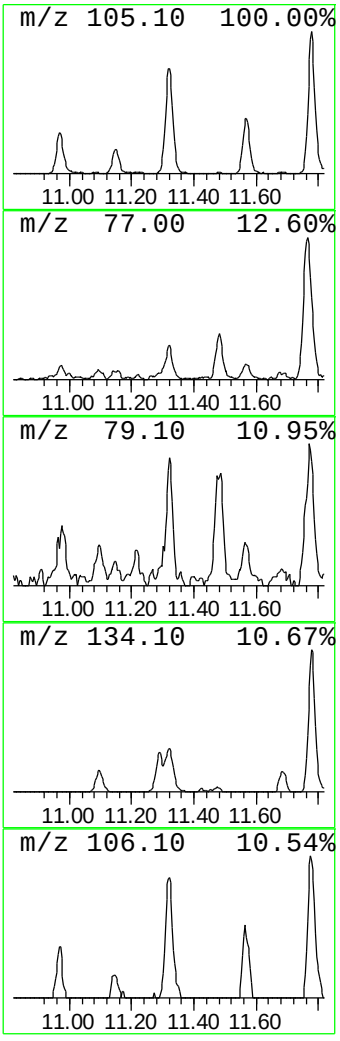
****

Peak Number 19 Benzene, 1-methyl-4-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	0.58 ug/L	127469	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	80
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

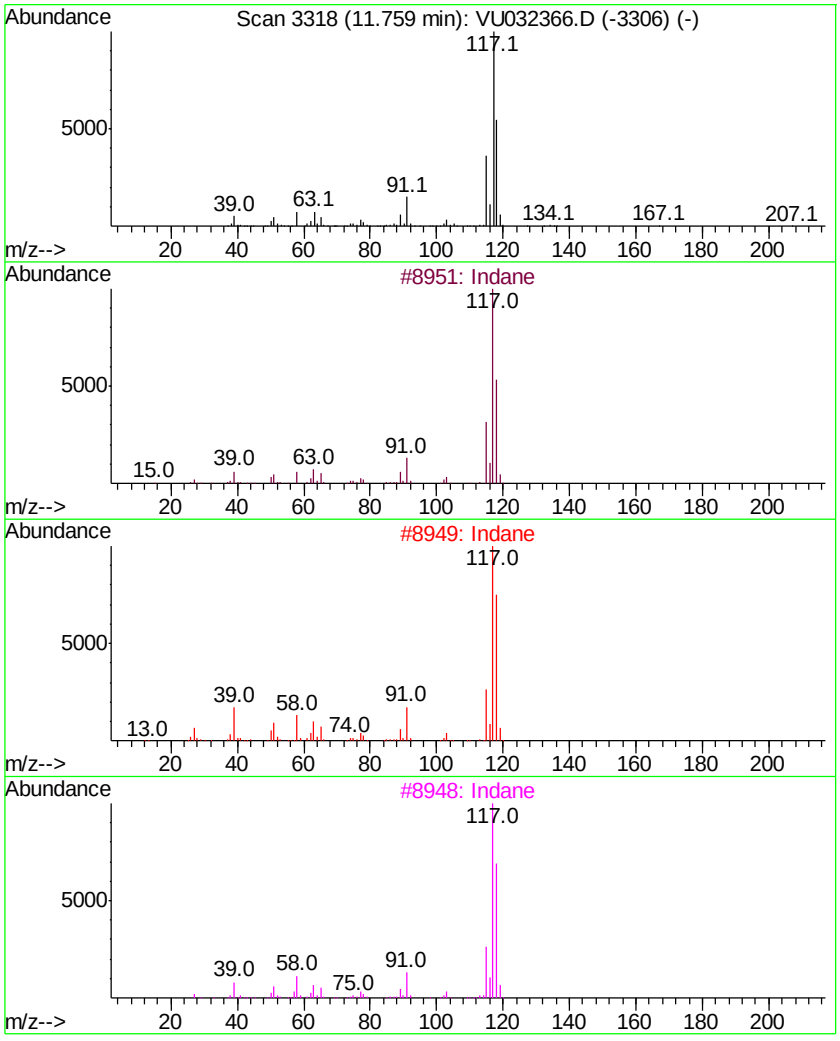
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

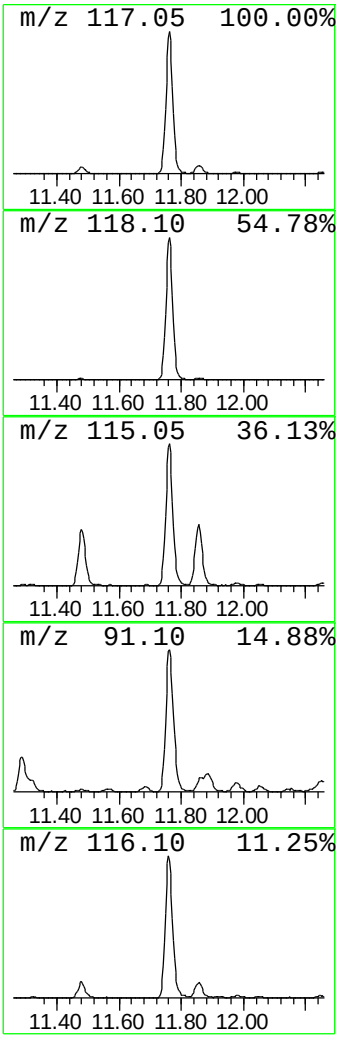
****

Peak Number 20 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.62 ug/L	2336690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	91
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

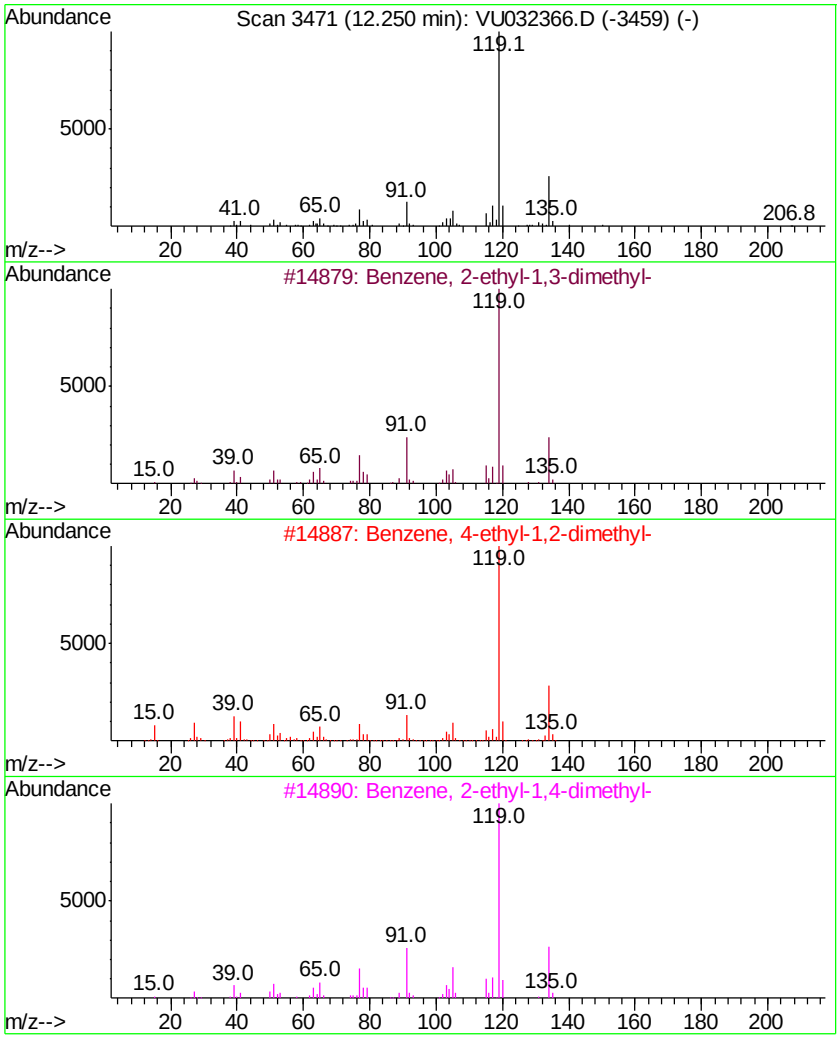
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

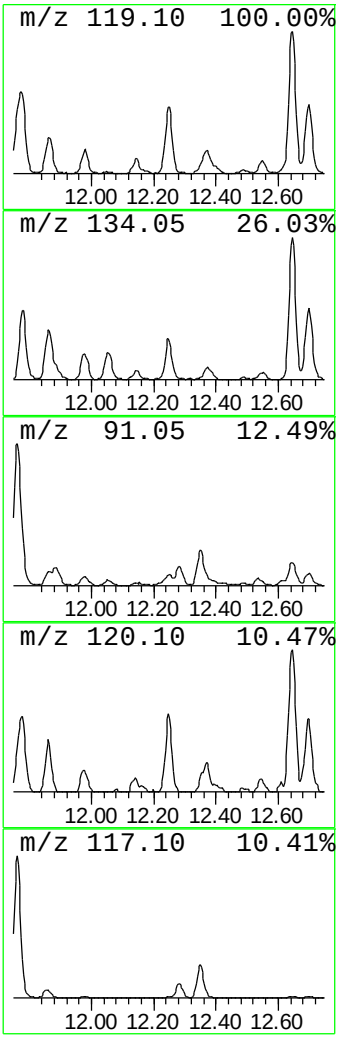
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	0.62 ug/L	136224	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

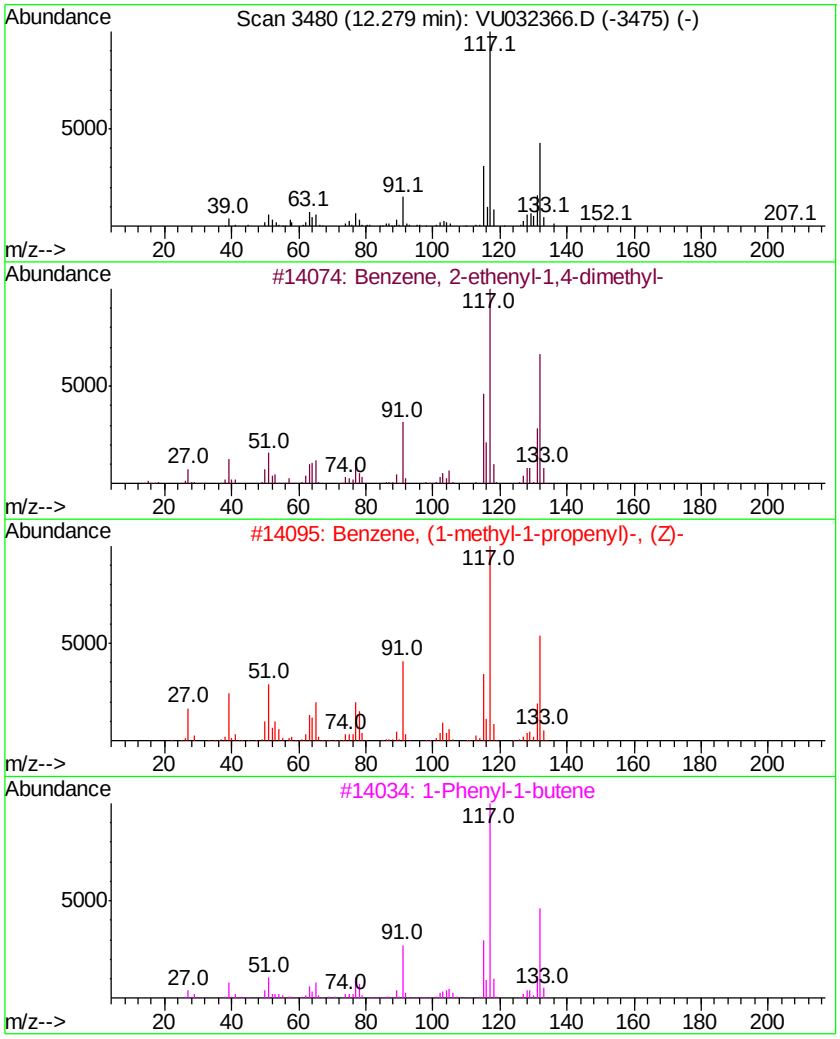
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

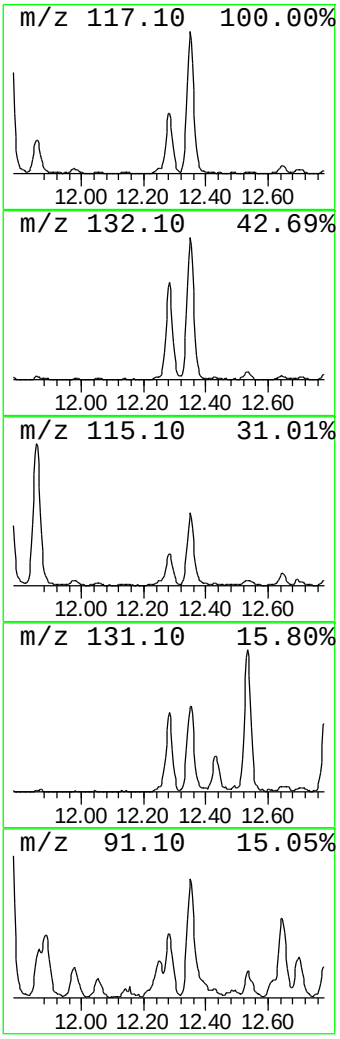
****

Peak Number 22 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	1.13 ug/L	249652	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

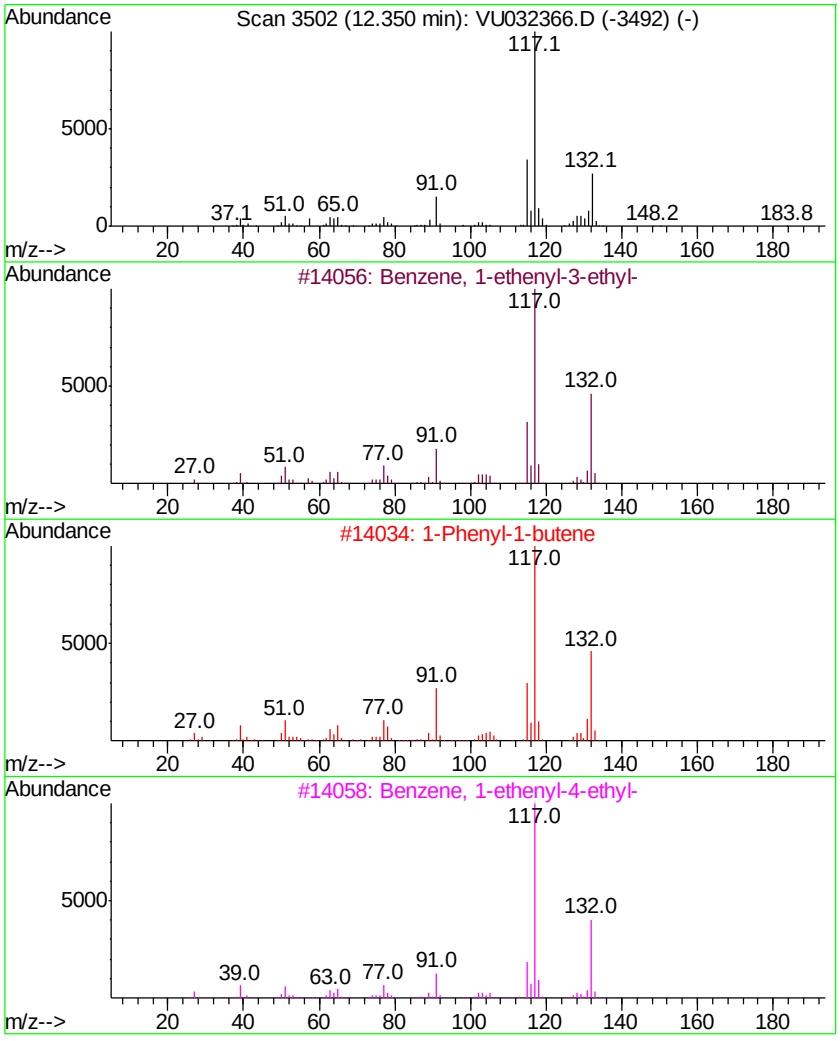
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

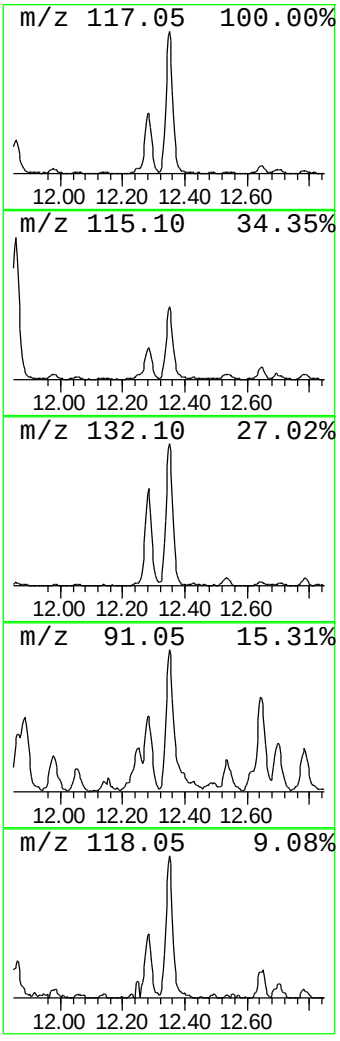
****

Peak Number 23 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.54 ug/L	558152	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

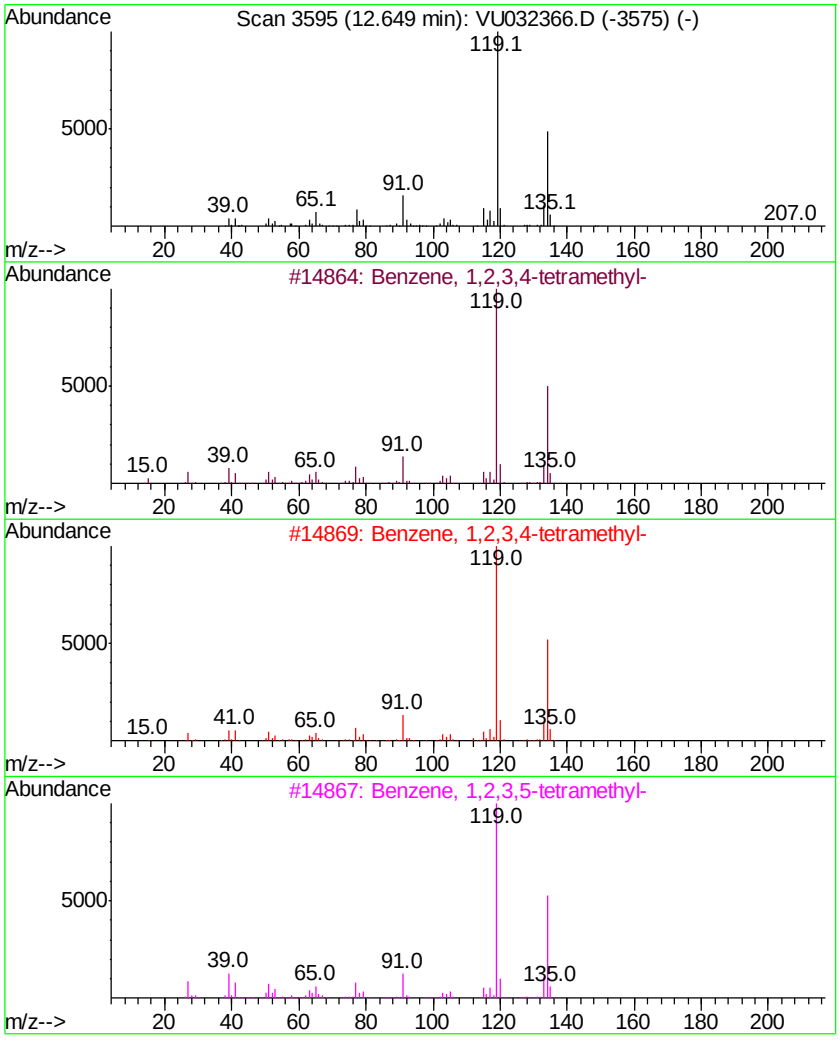
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

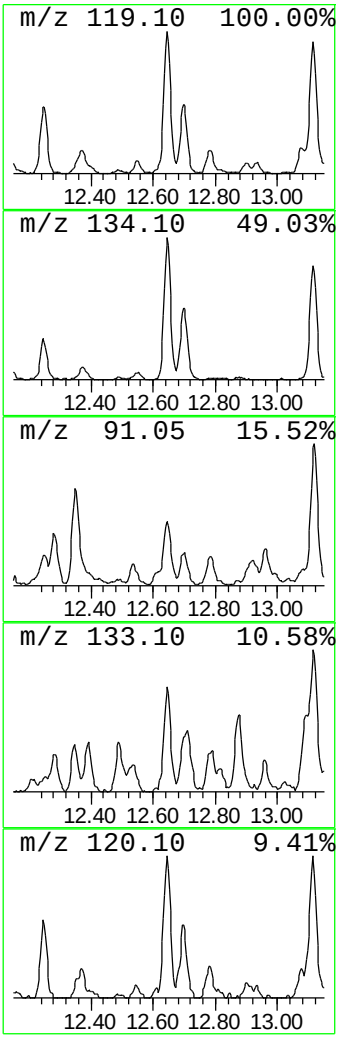
****

Peak Number 24 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	1.61 ug/L	355430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

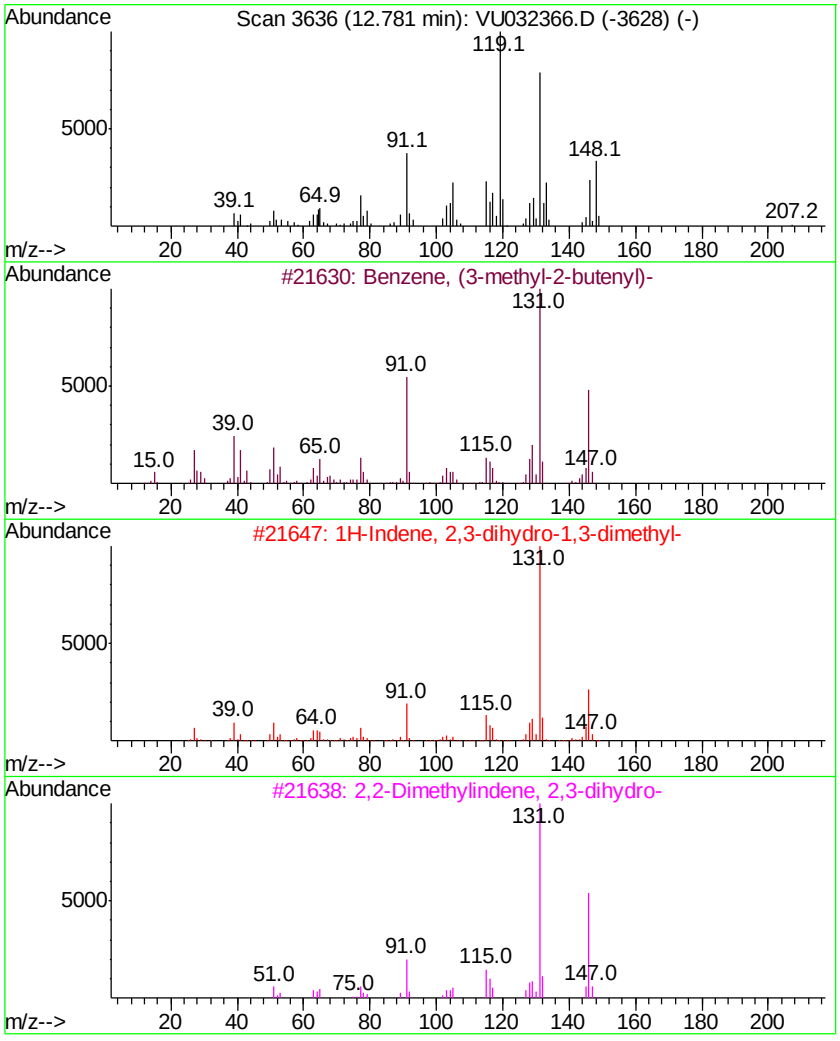
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

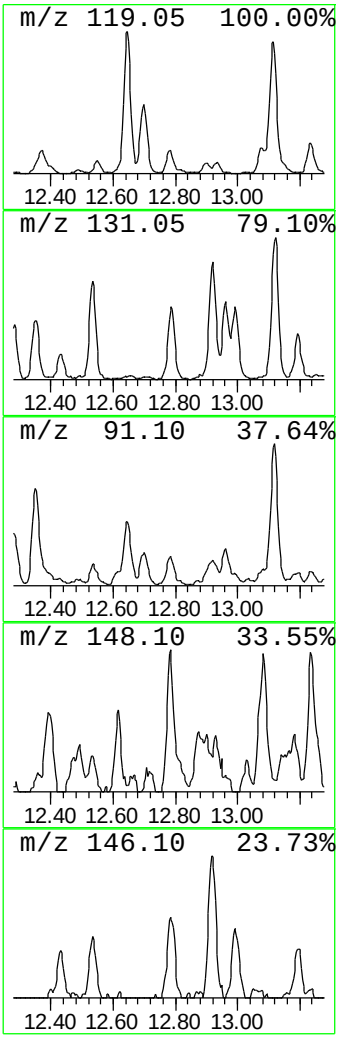
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, (3-methyl-2-butenyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	0.56 ug/L	124124	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	52
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

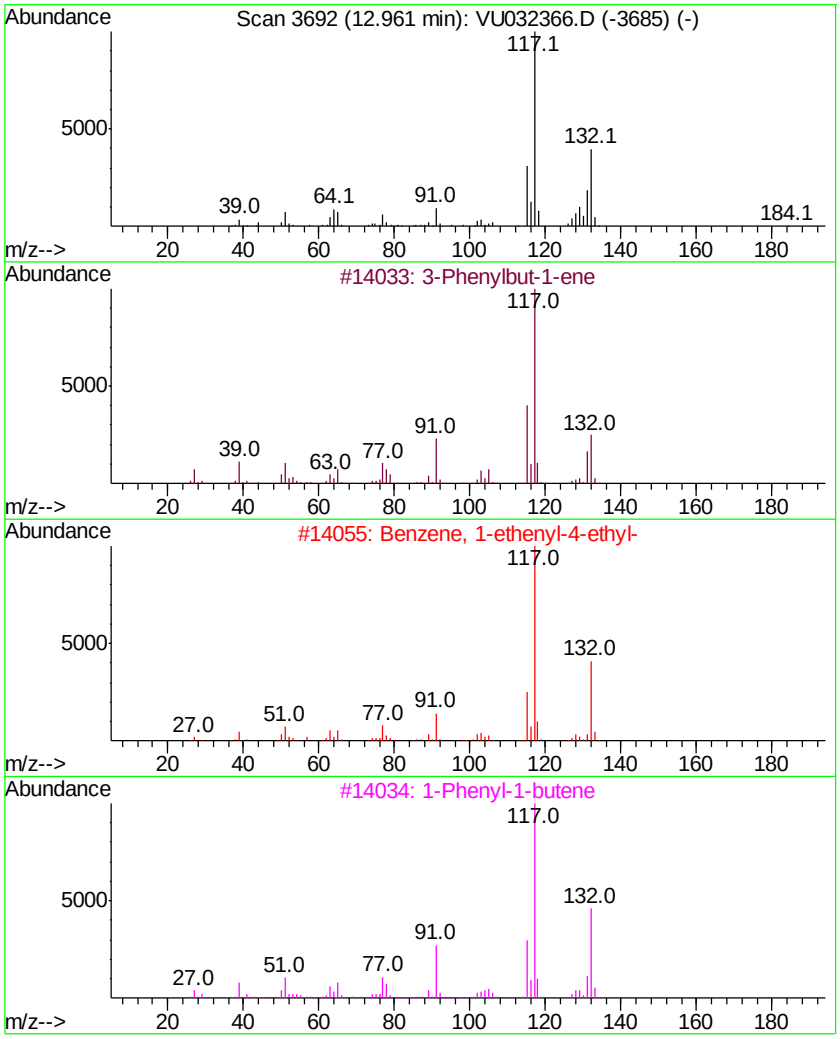
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

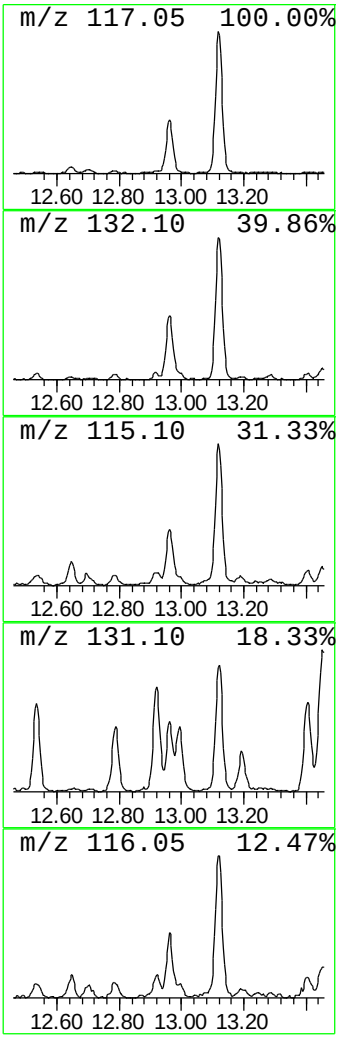
****

Peak Number 27 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	1.20 ug/L	264996	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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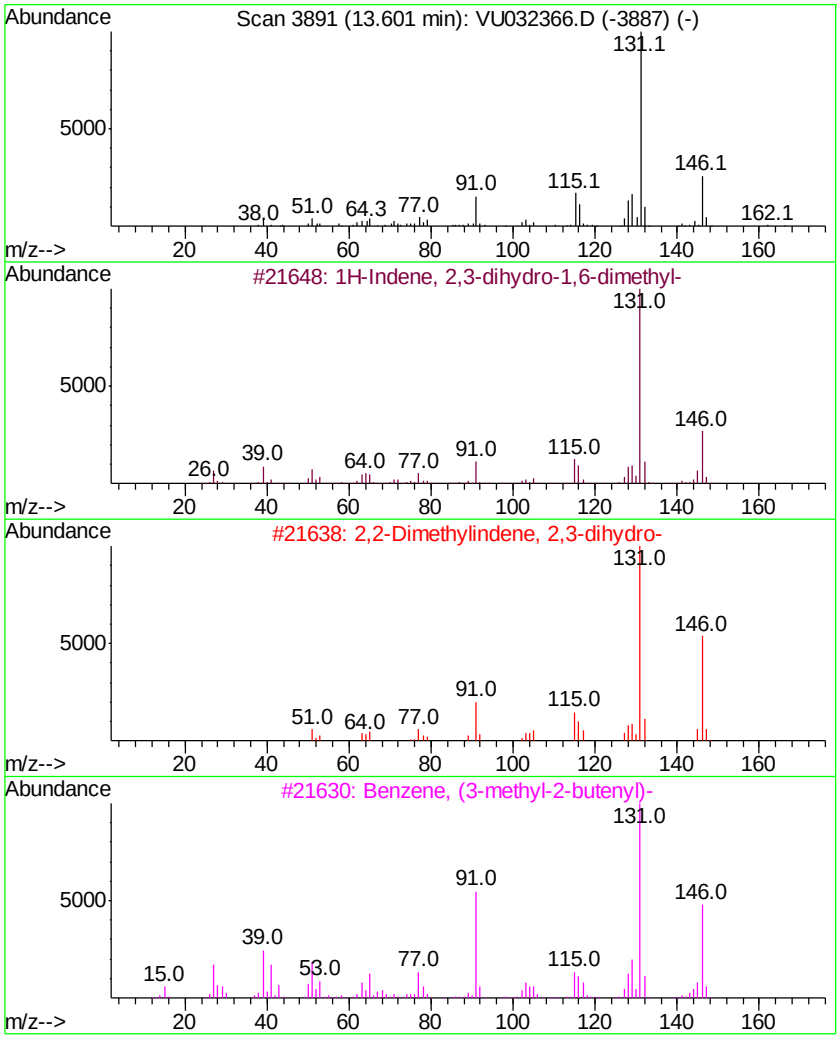
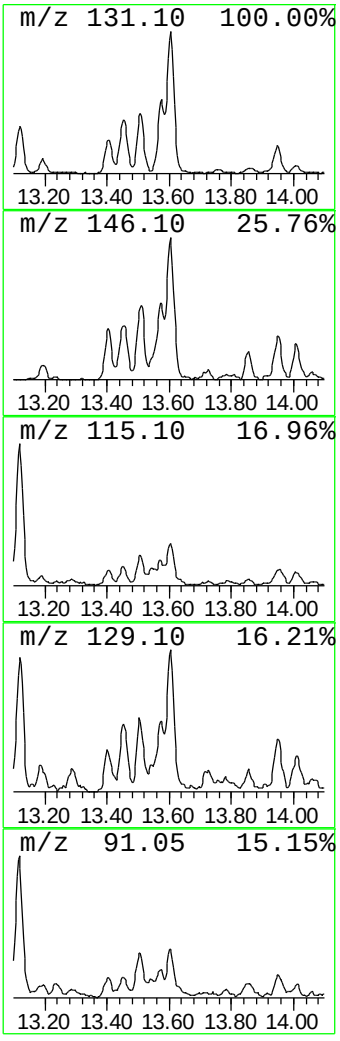
Peak Number 31 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	1.46 ug/L	320296	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

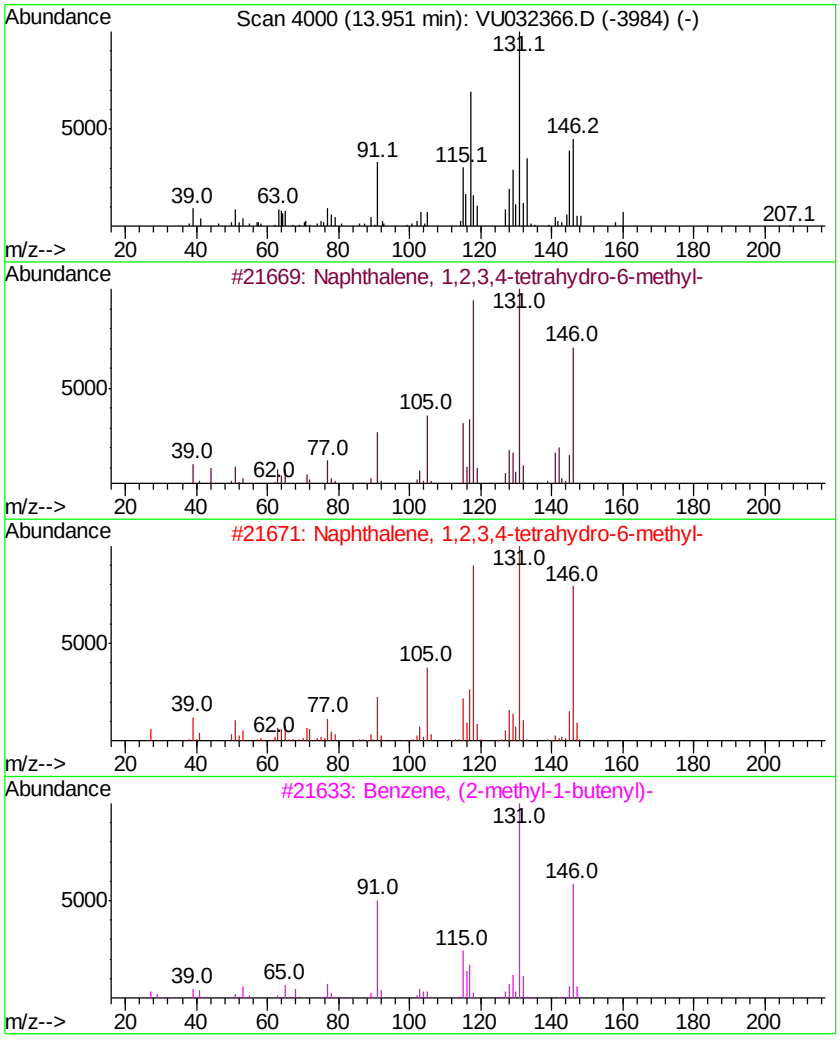
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

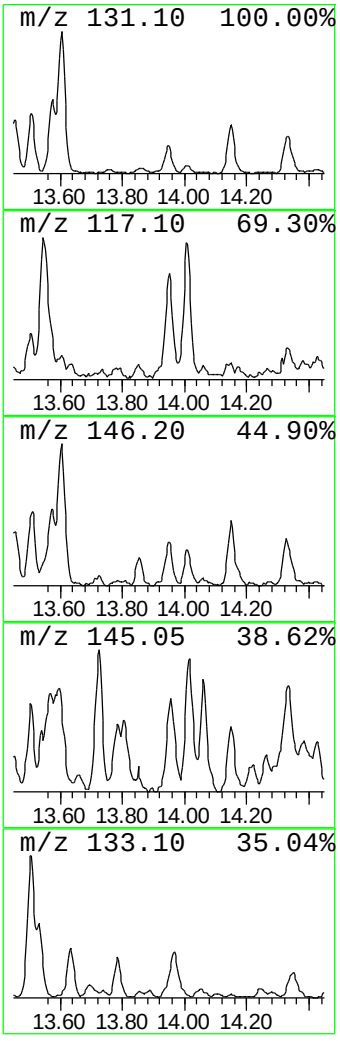
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	0.70 ug/L	153110	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	62
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

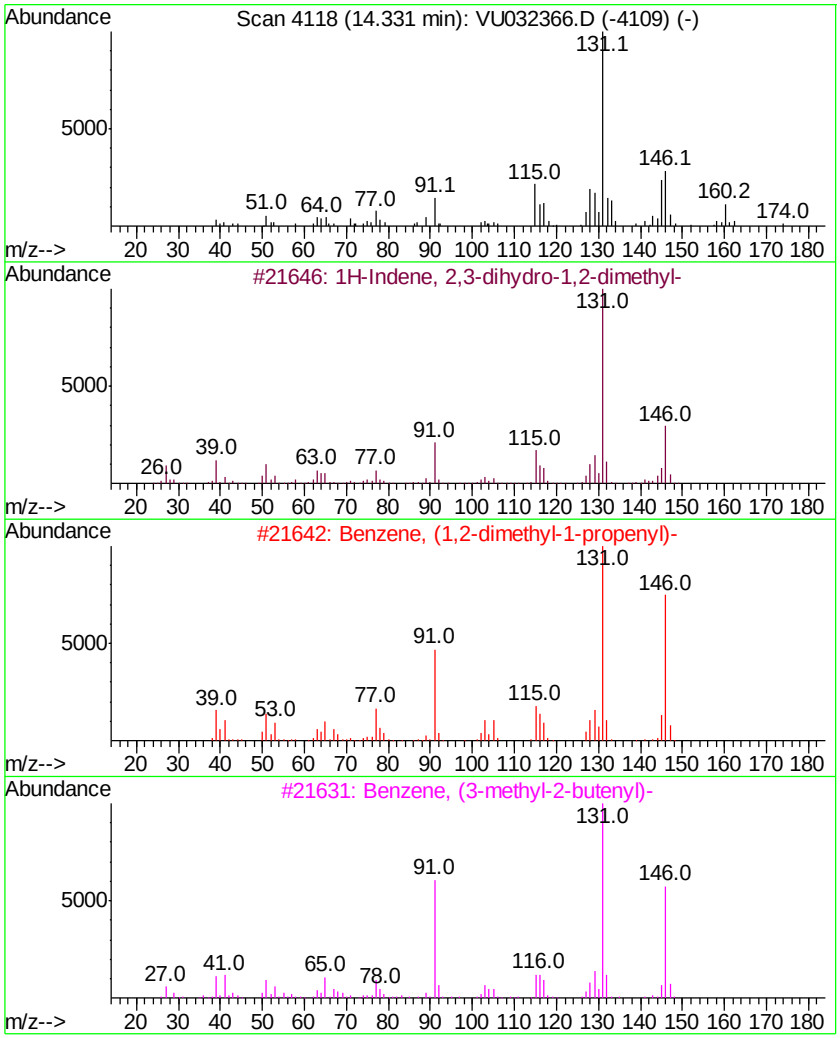
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

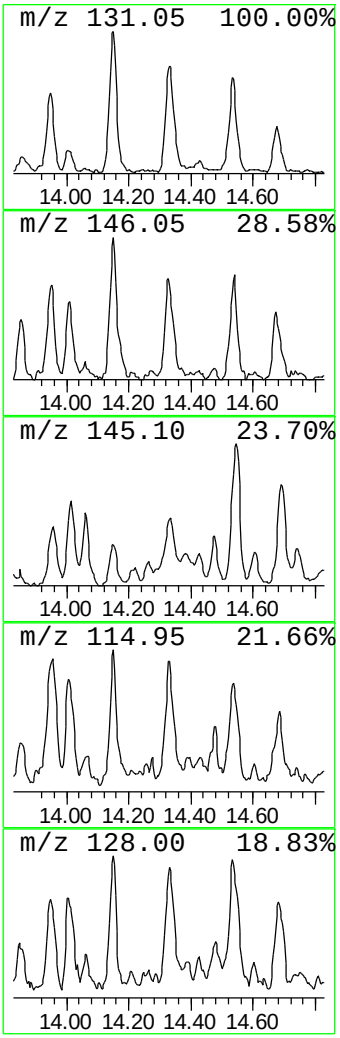
****

Peak Number 34 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	0.60 ug/L	131967	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	81
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

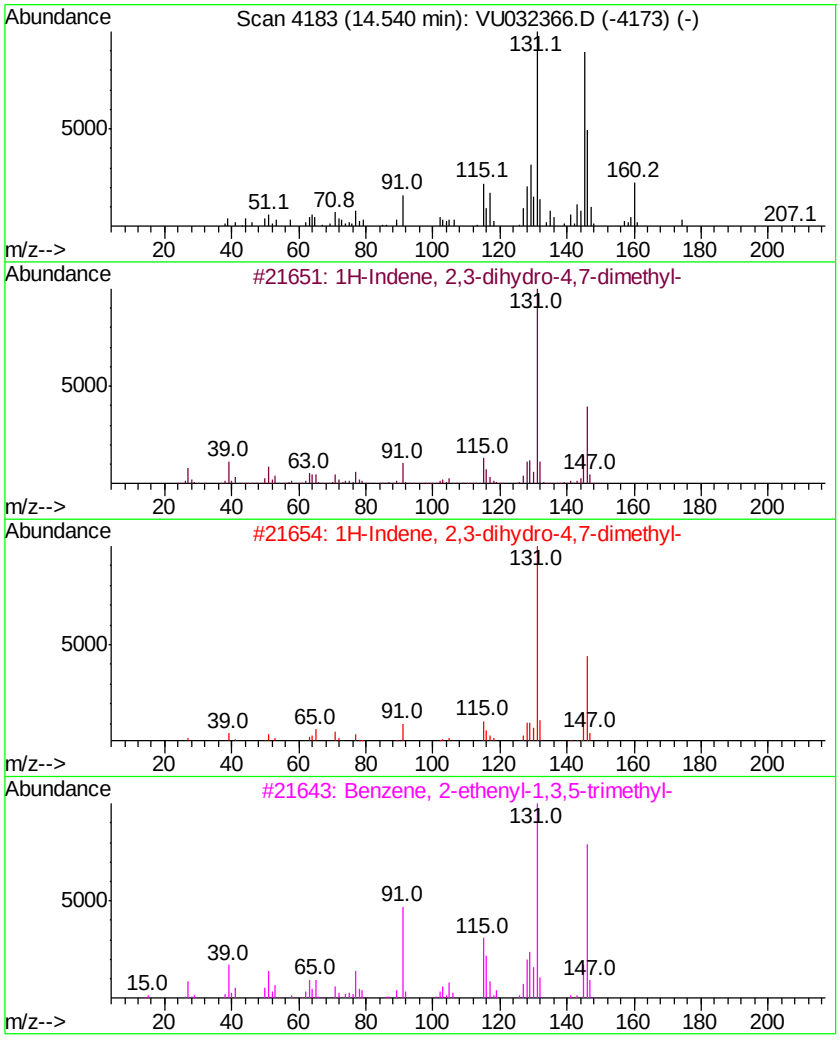
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

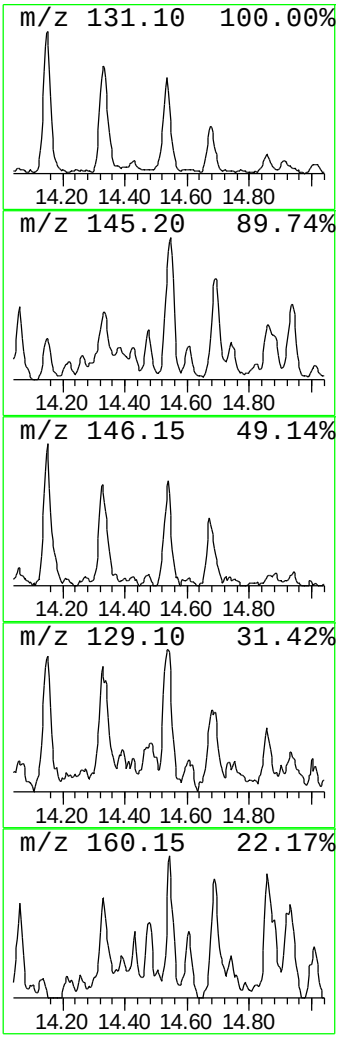
****

Peak Number 35 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	0.62 ug/L	136234	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	62
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	62
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032366.D
Acq On : 29 May 2019 18:09
Operator : JC/SP
Sample : K3045-10DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C54DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.30	0.8	ug/L	141157	1	5.88	892981	5.0
(DEL) Alkane: Str...	1.75	5.6	ug/L	1003000	1	5.88	892981	5.0
(DEL) Alkane: Str...	2.70	1.4	ug/L	251586	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	2.78	0.7	ug/L	122290	1	5.88	892981	5.0
(DEL) Alkane: Str...	2.98	1.8	ug/L	316862	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	4.08	1.1	ug/L	190054	1	5.88	892981	5.0
(DEL) Alkane: Str...	5.07	0.7	ug/L	132353	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	5.24	0.7	ug/L	116275	1	5.88	892981	5.0
cis-2,4-Dimethylt...	5.47	0.9	ug/L	161762	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	5.54	0.9	ug/L	163624	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	5.61	0.8	ug/L	138104	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	6.90	0.7	ug/L	129674	1	5.88	892981	5.0
(DEL) Alkane: Str...	7.04	0.7	ug/L	130121	1	5.88	892981	5.0
(DEL) Alkane: Cyc...	7.91	1.0	ug/L	212302	2	9.09	1099470	5.0
(DEL) Alkane: Cyc...	8.04	0.6	ug/L	130072	2	9.09	1099470	5.0
Benzene, propyl-	10.58	0.9	ug/L	198457	3	11.48	1100590	5.0
Benzene, 1-methyl...	11.32	0.6	ug/L	127469	3	11.48	1100590	5.0
Indane	11.76	10.6	ug/L	2336690	3	11.48	1100590	5.0
Benzene, 2-ethyl-...	12.25	0.6	ug/L	136224	3	11.48	1100590	5.0
Benzene, 2-etheny...	12.28	1.1	ug/L	249652	3	11.48	1100590	5.0
Benzene, 1-etheny...	12.35	2.5	ug/L	558152	3	11.48	1100590	5.0
Benzene, 1,2,3,4-...	12.65	1.6	ug/L	355430	3	11.48	1100590	5.0
Benzene, (3-methy...	12.78	0.6	ug/L	124124	3	11.48	1100590	5.0
3-Phenylbut-1-ene	12.96	1.2	ug/L	264996	3	11.48	1100590	5.0
1H-Indene, 2,3-di...	13.60	1.5	ug/L	320296	3	11.48	1100590	5.0
Naphthalene, 1,2,...	13.95	0.7	ug/L	153110	3	11.48	1100590	5.0
1H-Indene, 2,3-di...	14.33	0.6	ug/L	131967	3	11.48	1100590	5.0
1H-Indene, 2,3-di...	14.54	0.6	ug/L	136234	3	11.48	1100590	5.0